Panasonic

2.4GHz Expandable Cordless Phone System

Operating Instructions

Model No. KX-TG2730S

Pulse-or-tone dialing capability

Caller ID Compatible

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 15 hours before initial use.

Panasonic World Wide Web address: http://www.panasonic.com
for customers in the USA or Puerto Rico

Thank you for purchasing your new Panasonic cordless telephone.

Please read IMPORTANT SAFETY INSTRUCTIONS on page 94 before use. Read and understand all instructions.

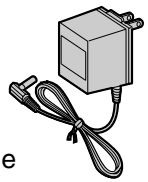
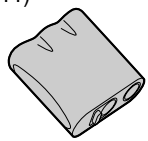
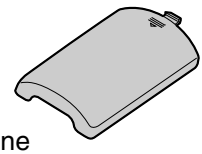
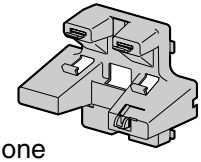
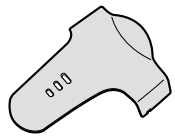
Caller ID and Call Waiting Service, where available, are telephone company services. After subscribing to Caller ID, this phone will display a caller's name and phone number. Call Waiting Caller ID, which displays a second caller's name and phone number while the user is on the phone line with the first caller, requires a subscription to both Caller ID with Name and Call Waiting Service.

Attach your purchase receipt here.

Energy Star:

As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

Accessories (included) For extra orders, call 1-800-332-5368.

☐ AC Adaptor (p. 11) Order No. PQLV10Z  one	☐ Telephone Line Cord (p. 11) Order No. PQJA10075Z one	☐ Battery (p. 12, 83) Order No. PQPP511SVC (P-P511)  one
☐ Handset Cover (p. 12, 83) Order No. PQKK10126Z1  one	☐ Wall Mounting Adaptor (p. 80) Order No. PQKL10044Z1  one	☐ Belt Clip (p. 79) Order No. PQKE10340Z1  one

To use more than one handset, please purchase the optional handset KX-TGA270S, KX-TGA271V, KX-TGA271W and KX-TGA272S. To order, contact your dealer or call 1-800-211-PANA(7262) to locate a dealer.

For Best Performance

Battery Charge

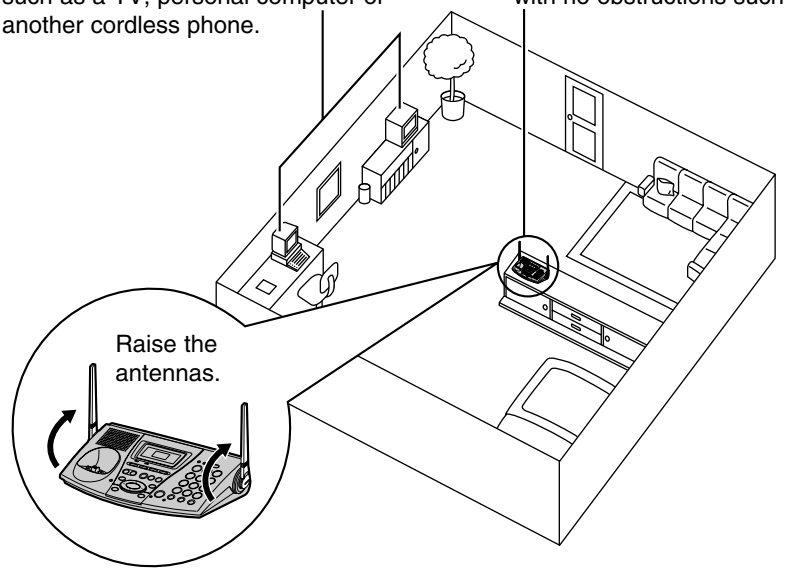
A rechargeable Ni-Cd battery powers the handset. Charge the battery for about **15 hours** before initial use (p. 12).

Base Unit Location/Noise

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommended base unit location is:

Away from electrical appliances such as a TV, personal computer or another cordless phone.

In a HIGH and CENTRAL location with no obstructions such as walls.



Note:

While using the handset:

- If you are near a microwave oven which is being used, noise may be heard from the receiver or the speaker. Move away from the microwave oven and closer to the base unit.
- If you use the handset near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

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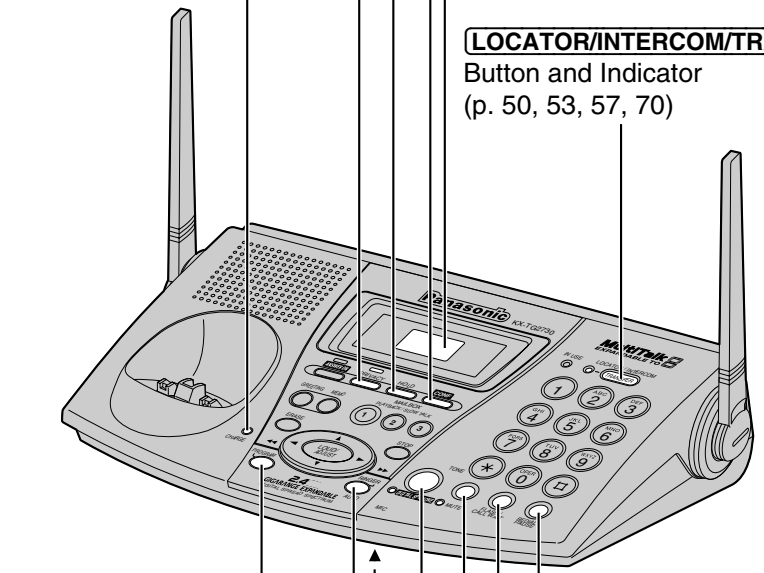
Location of Controls

Base unit



HOLD Button (p. 32)

PRIVACY Button and Indicator (p. 55)

CHARGE Indicator (p. 12)

CONF (Conference) Button (p. 54)

Display (p. 9)

LOCATOR/INTERCOM/TRANSFER Button and Indicator (p. 50, 53, 57, 70)

PROGRAM Button (p. 41)

RINGER/AUTO Button (p. 20, 41)

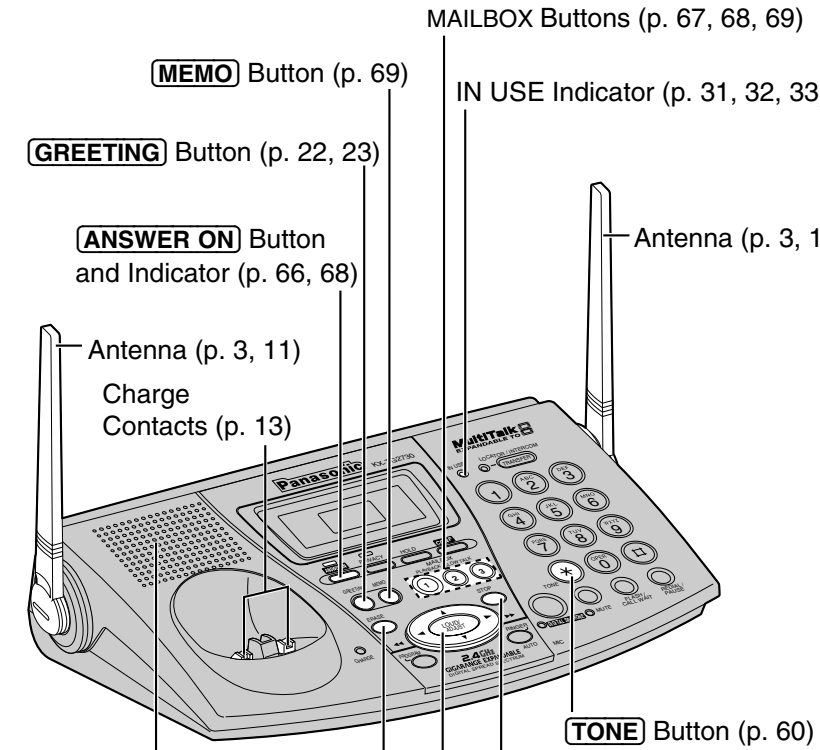
MIC (Microphone) (p. 22, 31, 50, 69)

REDIAL/PAUSE Button (p. 32, 61)

FLASH/CALL WAIT Button (p. 60, 61)

MUTE Button and Indicator (p. 26, 57, 60)

DIGITAL SP-PHONE (Speakerphone) Button and Indicator (p. 31, 33, 50)


MAILBOX Buttons (p. 67, 68, 69)
MEMO Button (p. 69)
IN USE Indicator (p. 31, 32, 33)
GREETING Button (p. 22, 23)
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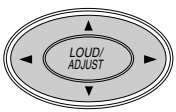
Antenna (p. 3, 11)
Antenna (p. 3, 11)
Charge Contacts (p. 13)
TONE Button (p. 60)
Speaker (p. 23, 32)
STOP Button (p. 23, 68)
ERASE Button (p. 23, 69)
Navigator Key (▲, ▼, ◄, ►) (p. 23, 32, 62, 68)

How to use the Navigator key:
This key has four active areas that are indicated by arrows.

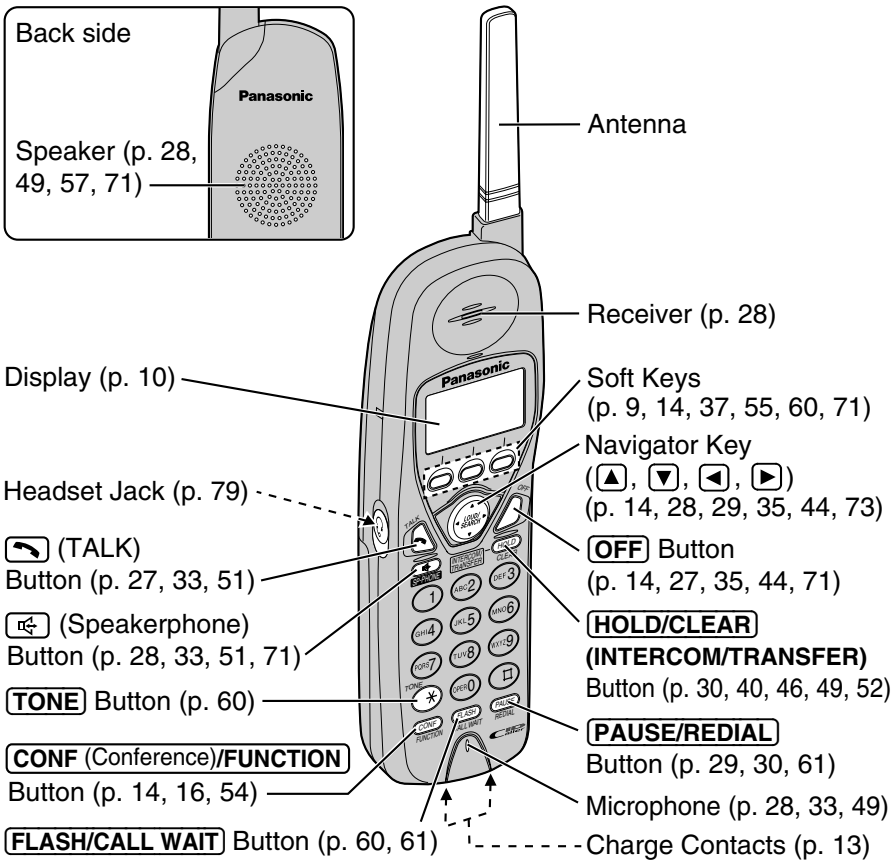


- Pressing the up and down arrows allows you to adjust the speaker volume and the ringer volume.
- Pressing the right arrow allows you to skip a message. Pressing the left arrow allows you to repeat a message.
- The right and left arrows are also used to select the ringer tone.

Throughout these Operating Instructions, the Navigator key is indicated by the arrows ▼, ▲, ◄ or ►.

Location of Controls

Handset


Back side
Panasonic
Speaker (p. 28, 49, 57, 71)
Antenna
Receiver (p. 28)
Display (p. 10)
Soft Keys (p. 9, 14, 37, 55, 60, 71)
Navigator Key (▲, ▼, ◄, ►) (p. 14, 28, 29, 35, 44, 73)
Headset Jack (p. 79)
(TALK) Button (p. 27, 33, 51)
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CONF (Conference)/FUNCTION Button (p. 14, 16, 54)
Microphone (p. 28, 33, 49)
FLASH/CALL WAIT Button (p. 60, 61)
Charge Contacts (p. 13)

How to use the Navigator key

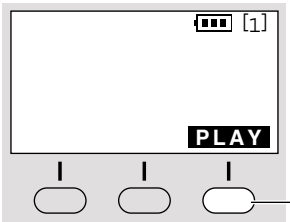
This key has four active areas that are indicated by arrows.

- Pressing the up and down arrows allows you to scroll through a list of settings, the Caller List and your personal directory. The up and down arrows are also used to adjust the ringer volume and the receiver/speaker volume.
- Pressing the right and left arrows allows you to enter the directory list and to move the cursor when entering directory items.
- The right arrow is also used to select your menu choices.

Throughout these Operating Instructions, the Navigator key is indicated by the arrows ▼, ▲, ◄ or ►.

How to use the handset soft keys:

Ex. 1

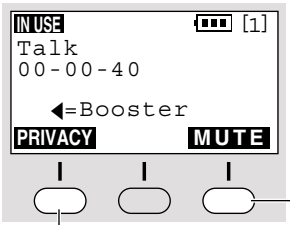


Three soft keys are used to select functions displayed directly above the keys. Functions displayed above the keys will change depending on the state of usage.

For example, on the left display, "PLAY" is displayed above the right soft key.

To operate "PLAY", press the right soft key.

Ex. 2



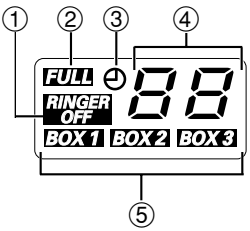
- When a function does not appear above a soft key, the soft key will not work.

To operate "MUTE", press the right soft key.

To operate "PRIVACY", press the left soft key.

Displays

Base unit



①"RINGER OFF" indicates the base unit ringer is OFF (p. 20).

②"FULL" flashes if the remaining recording time or the number of messages which can still be recorded is 0. Erase unnecessary messages (p. 68, 73).

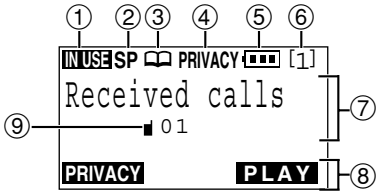
③When "◴" flashes, you have not set the clock yet or a power failure may have occurred. The clock needs adjusting (p. 21).

④Message counter shows:
- –the total number of recorded messages in all mailboxes. If the recording time is set to "Greeting only", "90" will be displayed (p. 24).
- –While adjusting the speaker volume, the level is displayed (p. 23, 32).
- –"P" is displayed when PROGRAM is pressed to store a phone number (p. 41).
- –"E" is displayed when your greeting message or memo message was not recorded correctly (p. 23, 69).

⑤Each mailbox icon will flash if there is at least one new message in the mailbox. If a mailbox has only old messages, the icon will not flash but display. If a mailbox has no messages, the mailbox icon will not be displayed.

Displays

Handset



①“ IN USE ”(IN USE icon) functions as follows.

Off (invisible)	The line is free.
On	The line is being used.
Flashing	A call is on hold within this system (handset or base unit) or the Answering System is responding to a call (p. 66).
Flashing quickly	A call is being received.

②“**SP**” shows when you are using the handset speakerphone during an intercom call or a conference call, while listening to messages or while in the 2-Way Radio mode. When you monitor a room from the speaker, “**SP**” will also be displayed.

③“ 🕮 ” (directory icon) is displayed when storing, viewing, sending or receiving the directory items (p. 42).

④“**PRIVACY**” indicates the Call Privacy mode is on (p. 55). The base unit and other handsets cannot join your conversation.

⑤The battery icon indicates the battery strength (p. 12).

⑥The extension number of the handset is displayed if the handset has been registered to the base unit (p. 26, 85).

⑦The display shows the dialed number, call status, programming options and directory items etc. If you subscribe to a Caller ID service, caller information will be displayed. “`Received calls`” will be displayed when new calls have been received.

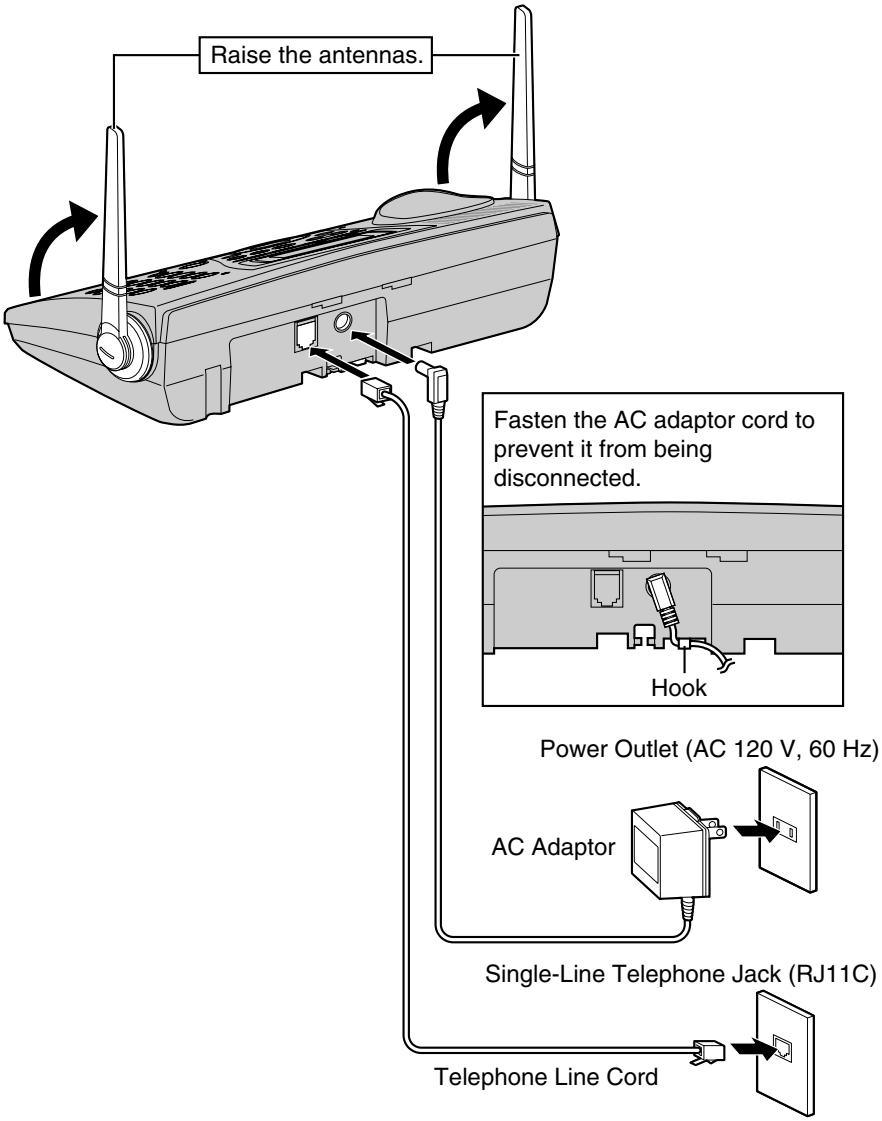
⑧The prompts on the bottom line will show corresponding functions of the three soft keys which are located directly below the display (p. 9).
Ex. The soft key below “ **PLAY** ” will function as **PLAY** key.

⑨“ ▮ ” (extension icon) is displayed with the extension numbers during an intercom (p. 49) or a conference call (p. 54), or while using the Room Monitor feature (p. 57) or the 2-Way Radio mode (p. 59).

Backlit LCD display

The lighted handset display will stay on for a few seconds after pressing a handset button to start operations, lifting the handset or pressing a button to complete operations such as hanging up a call, viewing the Caller List/Directory or programming.

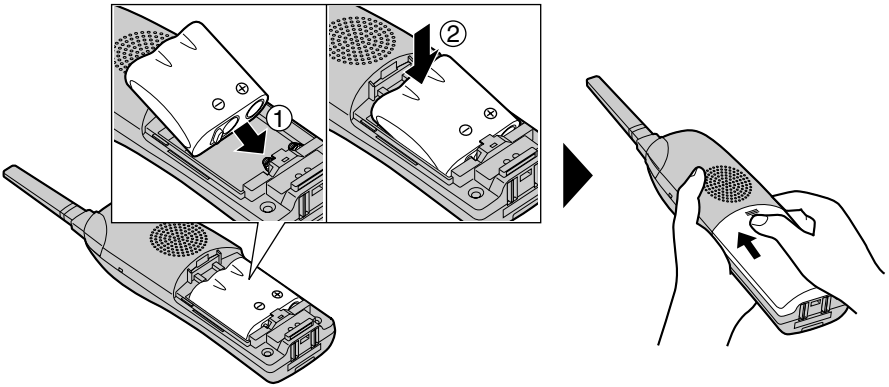
Connections


Raise the antennas.
Fasten the AC adaptor cord to prevent it from being disconnected.
Hook
Power Outlet (AC 120 V, 60 Hz)
AC Adaptor
Single-Line Telephone Jack (RJ11C)
Telephone Line Cord

- USE ONLY WITH Panasonic AC ADAPTOR PQLV10 (Order No. PQLV10Z).
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 82.
- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.

Installing the Battery in the Handset

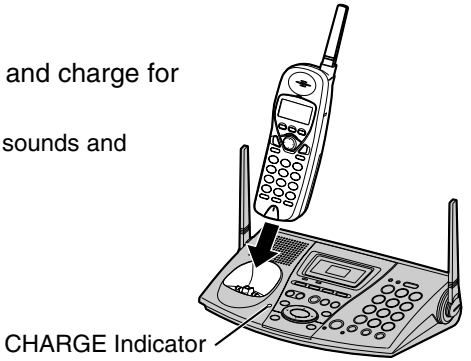
Insert the battery into the handset as shown, matching the correct polarity (①). Press the battery down until it places into the compartment (②). When finished, close the cover.



Battery Charge

Place the handset on the base unit and charge for about **15 hours** before initial use.

- The CHARGE indicator lights, a beep sounds and "Charging" will be displayed.



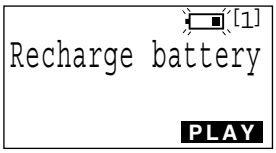
Battery strength

You can check the battery strength on the handset display. The battery strength is as shown in the chart below.

Display prompt	Battery strength
	Fully charged
	Medium
	Low
	Needs to be recharged.
	Discharged

Recharge

Recharge the battery when:
—"Recharge battery" is displayed on the handset,
—"[battery]" flashes on the display, or
—the handset beeps intermittently while it is in use.



- If you DO NOT recharge the handset battery for more than 15 minutes, the display will continually indicate "Recharge battery" and/or "[battery]" will flash when the handset is lifted off the base unit.
- If the battery has been discharged, the handset will display "Charge for 15HRS" and "[battery]" when you place the handset on the base unit. The handset will not work. Keep charging.

Battery information

After your Panasonic battery is fully charged (p. 12):

Operation	Operating time
While in use (TALK)	Up to 4.5 hours
While not in use (Standby)	Up to 11 days
While using the Reception Booster feature (p. 29)	Up to 3.5 hours

When using the 2-Way Radio mode (p. 58) with the battery fully charged:

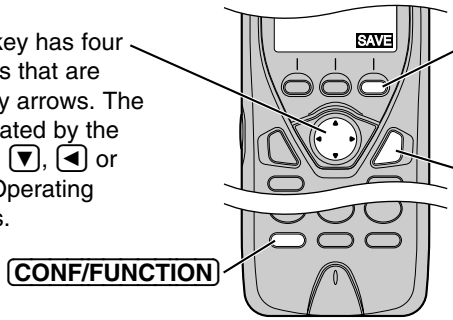
Operation	Operating time
While in use (TALK)	Up to 4.5 hours
While not in use (Standby)	Up to 12 hours

- The battery operating time may be shortened depending on usage conditions and ambient temperature.
- **Clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until "Recharge battery" is displayed and/or "[battery]" flashes. This will maximize the battery life.
- The battery cannot be overcharged.

Programmable Settings

Programming Guidelines

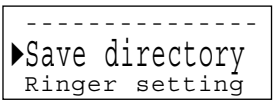
This unit has programmable functions. Most of them are selected from the function menu on the display (p. 15).


Navigator key has four active areas that are indicated by arrows. The key is indicated by the arrows ▲, ▼, ◄ or ► in the Operating Instructions.
CONF/FUNCTION
SAVE
The right soft key works as the SAVE key when "SAVE" displays above it.
OFF

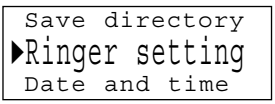
How to select a function item from the menu

Make sure the handset is not being used.

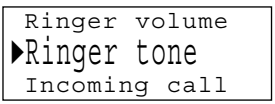
1. Press **CONF/FUNCTION**.
   - The main menu is displayed (p. 15).



2. You can scroll through the menu by pressing ▼ or ▲. Scroll to the desired item by pressing ▼ or ▲.

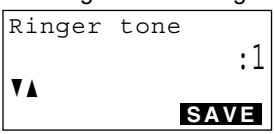


3. Press ► to select the item.
4. If the item has a sub-menu I, it will be displayed. Select the sub-menu item by pressing ▼ or ▲, and press ►.
   If the sub-menu I item has the sub-menu II, it will be displayed. Select the sub-menu II item in the same way.



5. You can then select the desired setting by pressing ▼ or ▲.
6. To save the setting, press the right soft key (**SAVE**).

Ex. Ringer tone setting



- When programming is complete, a confirmation tone sounds. The display will return to the main menu or the sub-menu I or the sub-menu II (if the function item is in the sub-menu I or in the sub-menu II). You can continue programming other items. To exit the menu, press **OFF**.

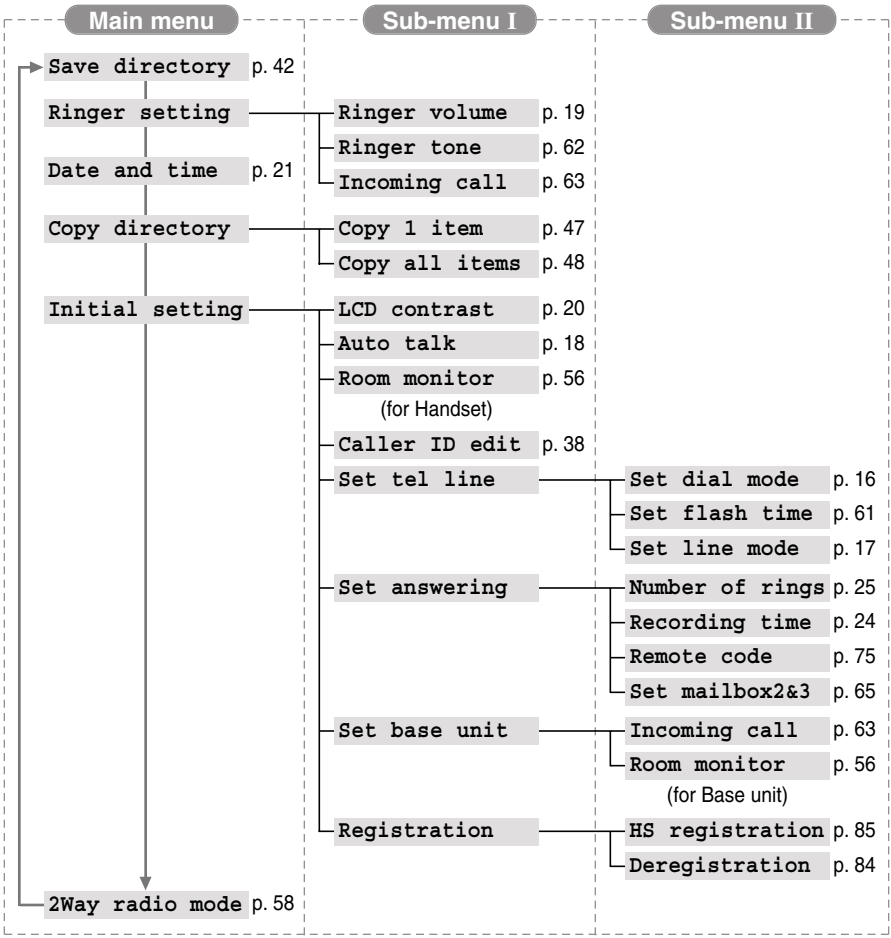
Useful information:

- "----------" indicates the beginning or end of the function menu.
- You can go back to the previous display by pressing ◄ except when entering characters or numbers. To return to the main menu from the sub-menu I or sub-menu II, press ◄.

- You can exit the programming mode any time by pressing **OFF**.
- If you do not press any buttons for 60 seconds, the handset will exit the programming mode.
- If the unit detects a problem, an error message will be displayed (p. 86).

Function Menu Table

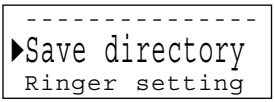
You can use the following functions to customize your unit. After pressing **CONF/FUNCTION**, the main menu is displayed. Most items in the main menu have a sub-menu I. The sub-menu I is shown after selecting the item in the main menu. If the sub-menu I item has the sub-menu II, it will be displayed after selecting that sub-menu I item. See the corresponding pages for function details.



Dialing Mode

If you have touch tone service, set to “Tone”. If rotary or pulse service is used, set to “Pulse”. Your phone comes from the factory set to “Tone”.
Make sure the base unit and the handset are not being used.

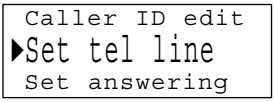
1 Press **CONF/FUNCTION**.



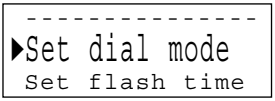
2 Scroll to “Initial setting” by pressing ▼ or ▲.

3 Press ▶.

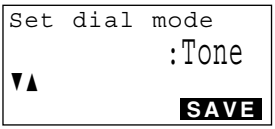
4 Scroll to “Set tel line” by pressing ▼ or ▲.



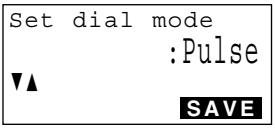
5 Press ▶.



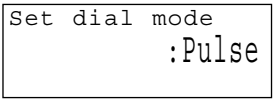
6 Press ▶ at “Set dial mode”.
- The current setting is displayed.



7 Select “Pulse” or “Tone” by pressing ▼ or ▲.



8 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.

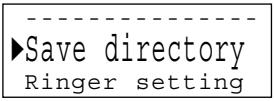


- You can exit the programming mode any time by pressing **OFF**.

Line Mode

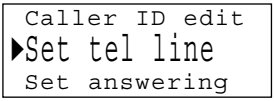
If the line is connected to a low voltage system such as a PBX, set to “B”. Your phone comes from the factory set to “A”.
Make sure the base unit and the handset are not being used.

1 Press **CONF/FUNCTION**.

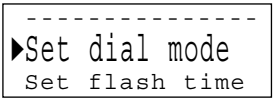


2 Scroll to “Initial setting” by pressing ▼ or ▲, and press ▶.

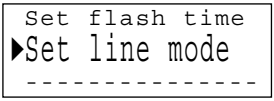
3 Scroll to “Set tel line” by pressing ▼ or ▲.



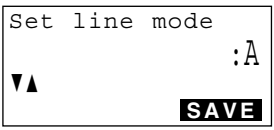
4 Press ▶.



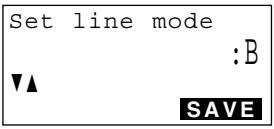
5 Scroll to “Set line mode” by pressing ▼ or ▲.



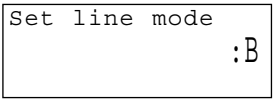
6 Press ▶.
•The current setting is displayed.



7 Select “B” or “A” by pressing ▼ or ▲.



8 Press the right soft key (**SAVE**).
•A beep sounds.
•To exit the programming mode, press **OFF**.



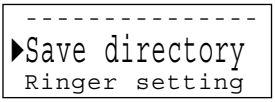
•You can exit the programming mode any time by pressing **OFF**.

Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing (TALK) or (SPEAKER). If you purchase an additional handset (p. 26), you can answer a call by lifting it off the charger. If you want to use this feature, turn the feature ON by programming. Your phone comes from the factory set to OFF.

Make sure the handset is not being used.

1 Press **CONF/FUNCTION**.

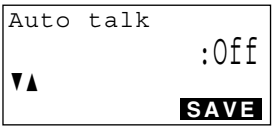


2 Scroll to "Initial setting" by pressing ▼ or ▲.

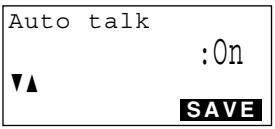
3 Press ▶.

4 Scroll to "Auto talk" by pressing ▼ or ▲.

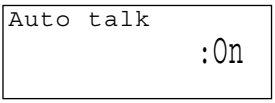
5 Press ▶.
- The current setting is displayed.



6 Select "On" or "Off" by pressing ▼ or ▲.



7 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.



- You can exit the programming mode any time by pressing **OFF**.
- In order to view Caller ID information after you lift up the handset to answer a call, leave the Auto Talk feature OFF.

Ringer Volume

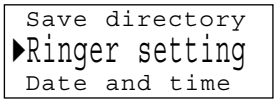
Handset

You can program the handset ringer volume to HIGH, MEDIUM, LOW or OFF. If set to OFF, the handset will not ring for external calls, and for internal calls it will ring at the LOW level. Your phone comes from the factory set to HIGH.

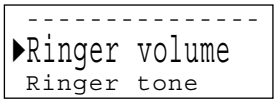
Make sure the handset is not being used.

1 Press **CONF/FUNCTION**.

2 Scroll to "Ringer setting" by pressing ▼ or ▲, and press ►.



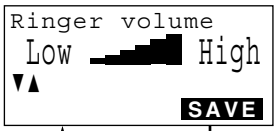
3 Press ► at "Ringer volume".



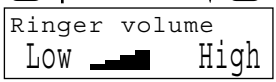
4 Select the desired volume by pressing ▼ or ▲.

- Each time you press ▼ or ▲, the volume will change and ring.
- **To turn the ringer OFF:** press ▼ repeatedly until "Off ?" displays.

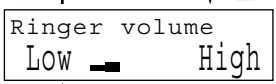
HIGH



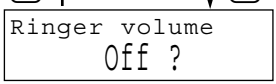
MEDIUM



LOW



OFF



5 Press the right soft key (**SAVE**).

- A beep sounds.

To turn the ringer ON:

Press ▲ in step 4, and press the right soft key (**SAVE**).

- The ringer will sound at the LOW level.

- You can exit the programming mode any time by pressing **OFF**.
- If set to OFF, "Ringer off" will be displayed while the handset is not in use.
- You can also select the ringer volume while an external call is being received. Press ▼ or ▲ while the handset is just ringing.
- To adjust the ringer volume for the 2-Way Radio mode, see page 59.
- You can change the ringer tone for external calls. See page 62.

Base unit

You can set the base unit ringer volume to HIGH, MEDIUM, LOW or OFF. If set to OFF, the base unit will not ring for external calls, and for internal calls it will ring at the LOW level. Your phone comes from the factory set to HIGH. **Make sure the base unit is not being used.**

To select HIGH (preset), MEDIUM or LOW, press **RINGER/AUTO**.
- Each time you press the button, the ringer volume will change and ring.

To turn the ringer OFF, press and hold **RINGER/AUTO** until 2 beeps sound.
- "RINGER OFF" is displayed.

To turn the ringer ON, press **RINGER/AUTO**.
- The ringer will sound at the LOW level.

- You can also select the ringer volume while an external call is being received. Press **RINGER/AUTO**, ▼ or ▲ while the base unit is just ringing.
- You can change the ringer tone for external calls. See page 62.

LCD Contrast

You can program the handset LCD contrast (6 levels). Your phone comes from the factory set to level 3. **Make sure the handset is not being used.**

1 Press **CONF/FUNCTION**.

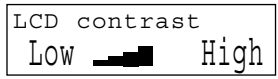
2 Scroll to "Initial setting" by pressing ▼ or ▲, and press ▶.

3 Press ▶ at "LCD contrast".

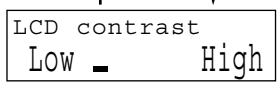
4 Select the desired contrast by pressing ▼ or ▲.
- Each time you press ▼ or ▲, the LCD contrast will change.
- The number of steps shows the LCD contrast level.

Level 6

Level 4



Level 1



5 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.

- You can exit the programming mode any time by pressing **OFF**.

Preparing the Answering System ➡

Date and Time

Voice Day/Time Stamp: During playback, a synthesized voice will announce the day and time that each message was recorded.

Make sure the base unit and the handset are not being used.

1 Press **CONF/FUNCTION**.

2 Scroll to "Date and time" by pressing ▼ or ▲.

```
 Ringer setting
▶Date and time
 Copy directory
```

3 Press ▶.

```
Date:2002.01.01
Time:12:00 AM
◀▶ 0-9=Date&Time
*=AM/PM
                SAVE
```

4 ①Enter the year, and month and day using 4-digit numbers. (Ex. To set Apr. 7, 2002, enter "2002" and "0407".)
②Enter the time (hour and minute) using a 4-digit number. (Ex. To set 9:30, enter "0930".)

```
Date:2002.04.07
Time:09:30 AM
◀▶ 0-9=Date&Time
*=AM/PM
                SAVE
```

- If you enter a wrong number, press ◀ or ▶ to move the cursor to the incorrect number. Enter the correct number.

5 Select "AM" or "PM" by pressing *.

```
Date:2002.04.07
Time:09:30 PM
◀▶ 0-9=Date&Time
*=AM/PM
                SAVE
```

6 Press the right soft key (**SAVE**).

- A beep sounds and the clock starts working.
- If 3 beeps sound, the setting is not correct. Start again from step 4.
- To exit the programming mode, press **OFF**.

- You can exit the programming mode any time by pressing **OFF**.
- When entering the time in step 4, you cannot enter numbers greater than 12. **Do not use military time.** (To set 13:00 hours, enter "0100", and select "PM" by pressing *.)

If a power failure occurs, the time may be shifted. When "🕘" flashes on the base unit display, adjust the date/time.

To check the date/time

Repeat steps 1 to 3.

- The date and time will be displayed. When finished, press **OFF**.

For Caller ID service users (p. 34)
- The Caller ID information will reset the clock after the first ring if the adjusted time is incorrect.
- If the time has not previously been set, the Caller ID information will not adjust the clock.
- The Caller ID information will automatically adjust the clock for daylight saving time.

Greeting Message

You can record a personal greeting message of **up to 2 minutes**. If a greeting message is not recorded, one of two pre-recorded greetings will be played when a call is received (p. 23).

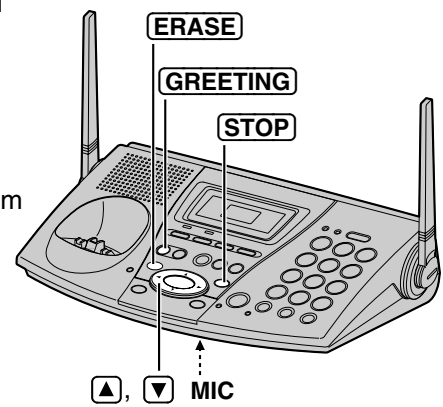
All messages (greeting, incoming, memo, etc.) are stored in digital memory (p. 23). The **total recording time is about 15 minutes**. We recommend you record **a brief greeting message** (see below) in order to leave more time for recording new messages.

To record a greeting message

Greeting message sample:
- "Hello, this is (your name and/or number). Sorry I cannot take your call. Please leave a message after the beep. Thank you."
- **To instruct callers to leave a message in a specific mailbox (Mailbox 1, Mailbox 2 or Mailbox 3) (for mailboxes see page 64):** "Hello, this is (your name and/or number). Sorry we cannot take your call. If you have a message, for John press [#] and [1], for Jane press [#] and [2], for Jack press [#] and [3]. Or just stay on the line and leave a message after the beep. Thank you."

1 Press and hold **GREETING** until "Record greeting after the beep" is heard.
- A long beep sounds.

2 After the long beep, talk clearly, about 20 cm (8 inches) away from the **MIC** (microphone).
- The base unit display shows the elapsed recording time.
- If you record for over 2 minutes, the unit will automatically stop recording.



3 When finished, press **GREETING**.
- The unit will automatically play back the recorded greeting.
- You can also finish recording by pressing **STOP**.
- To change the greeting, start again from step 1.

- If "E" displays, 6 beeps sound and "Your greeting was not recorded. Record your greeting again." is announced, start again from step 1.

To adjust the speaker volume:
9 levels (0–8) are available while using the answering system. To increase, press ▲. To decrease, press ▼.

Ex. Level 8

To check the recorded greeting message

Press **GREETING**.
- The greeting message will be played.

To erase the recorded greeting message

Press **GREETING**, and then press **ERASE** while the message is being played.
- The unit will answer a call with a pre-recorded greeting message.

Pre-recorded greeting message

If you do not record a greeting message (p. 22), one of two messages will be played when a call is received, depending on the caller's recording time (p. 24).

To check the pre-recorded greeting, press **GREETING**.
- A pre-recorded greeting will be played as follows:

■ When the recording time is set to "1 minute", "2 minutes" or "3 minutes":
"Hello, we are not available now. Please leave your name and phone number after the beep. We will return your call."

■ When the recording time is set to "Greeting only":
"Hello, we are not available now. Please call again. Thank you for your call."

Flash Memory Message Backup

Messages are stored on a "flash memory" IC chip and will not be affected by power failures. All messages are saved until you erase them.

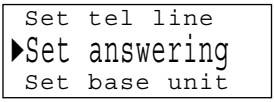
Caller's Recording Time

You can select "1 minute", "2 minutes", "3 minutes" or "Greeting only" for the caller's recording time. Your phone comes from the factory set to "3 minutes".

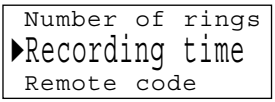
1 Press **CONF/FUNCTION**.

2 Scroll to "Initial setting" by pressing ▼ or ▲, and press ►.

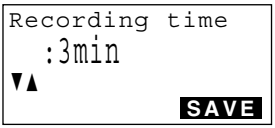
3 Scroll to "Set answering" by pressing ▼ or ▲, and press ►.



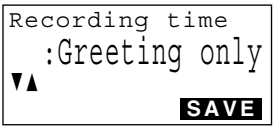
4 Scroll to "Recording time" by pressing ▼ or ▲.



5 Press ►.
- The current setting is displayed.



6 Select the recording time by pressing ▼ or ▲.
- You can also select the recording time by pressing 1 (1 minute), 2 (2 minutes), 3 (3 minutes) or 0 (Greeting only).



7 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.

- You can exit the programming mode any time by pressing **OFF**.

If you select "Greeting only", the unit will answer a call with the greeting message, and then hang up. The unit will not record any incoming messages. The display will show "0" instead of the number of messages.

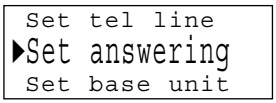
Number of Rings

You can select the number of times the unit rings before the Answering System answers a call, from “2” to “7” or “Toll saver”*.
Your phone comes from the factory set to “4”.
Make sure the base unit and the handset are not being used.

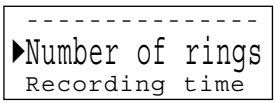
1 Press **CONF/FUNCTION**.

2 Scroll to “Initial setting” by pressing ▼ or ▲, and press ►.

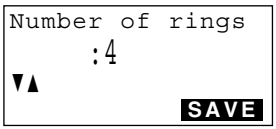
3 Scroll to “Set answering” by pressing ▼ or ▲.



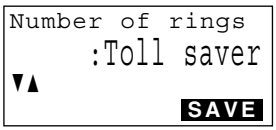
4 Press ►.



5 Press ► at “Number of rings”.
- The current setting is displayed.



6 Select the number of rings by pressing ▼ or ▲.
- You can also select the number of rings by pressing **0** (Toll saver*), or **2** to **7**.



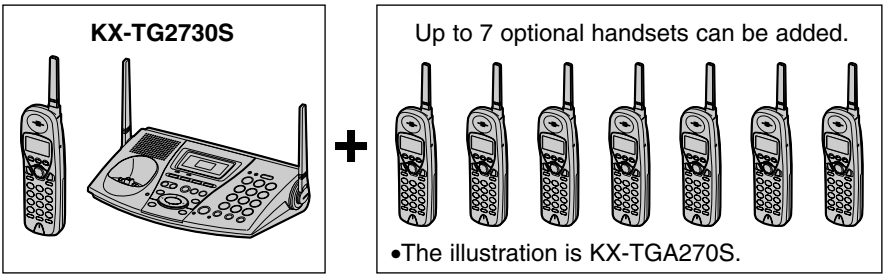
7 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.

- You can exit the programming mode any time by pressing **OFF**.

***Toll saver**
When you call the unit from outside:
If the unit answers on the 2nd ring, there is at least one new message.
If the unit answers on the 4th ring, there are no new messages.
Hang up when you hear the 3rd ring. This will save you the toll charge for the call.

Registration for Additional Handsets

KX-TG2730S includes a handset with the base unit. You can expand the system by adding up to 7 optional handsets to the system. A maximum of 8 handsets can be registered at the base unit.
Generally a maximum of 4 extensions excluding or including the base unit can operate at a time. If 4 other extensions are in use, such as conducting an external/internal call, you may not be able to use your unit. "`System is busy. Please try again later.`" will display when you try to operate your handset. The maximum operating number may decrease, depending on the state of usage, such as using the Reception Booster mode (p. 29), or when the Answering System is taking a call.

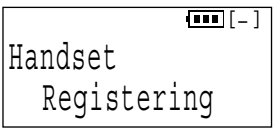


The included handset is pre-registered at the factory and assigned the extension number 1. You do not need to register this handset which has "`[1]`" on the display.
If you purchase optional handsets, you must register each of them at the base unit. Only one handset can be registered at a time. A handset will be assigned the extension number at registration.
The model numbers of the optional handsets are KX-TGA270S, KX-TGA271V, KX-TGA271W and KX-TGA272S. To order, contact your dealer or call 1-800-211-PANA(7262) to locate a dealer.
Make sure the base unit and the other handsets are not being used. Registration must be completed within 1 minute.

The handset display shows the instructions as shown on the right.

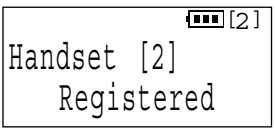
1 **Base unit:** Press (**MUTE**).
•The MUTE indicator light flashes.

2 **Handset:**
①Press the right soft key (**OK**).



②Wait until a long beep sounds and the display shows the registered number. The registration will be then complete.

Ex. Extension number 2



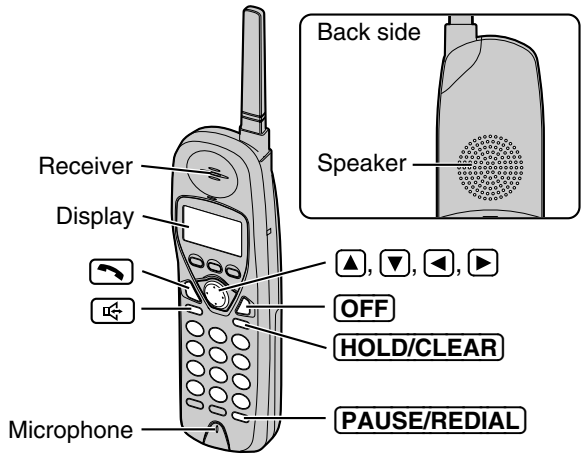
•The registered number "`[1]`" to "`[8]`" is shown on the top right of the display.

•You can stop registration by pressing **OFF** on the handset and pressing **MUTE** on the base unit.

To re-register a handset to a different base unit of the same model, see pages 84 and 85.

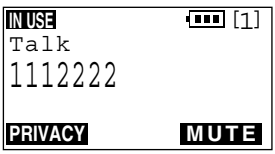
Making Calls

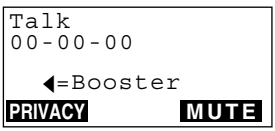
Handset



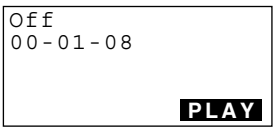
1 Press ☎.
- "Talk" is displayed.

2 Dial a phone number.
- The dialed number is displayed.
- After a few seconds, the display will show the length of the call.





3 To hang up, press **OFF** or place the handset on the base unit.

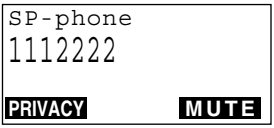


- To use "**PRIVACY**" and "**MUTE**" features using the soft key (p. 9), see pages 55 and 60.
- To use the Reception Booster feature, see page 29.

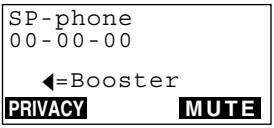
To have a hands-free phone conversation (Using Digital Duplex Speakerphone)

1 Press [speaker].
- "SP-phone" is displayed.

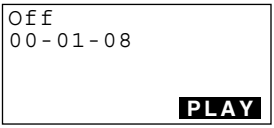
2 Dial a phone number.
- The dialed number is displayed.
- After a few seconds, the display will show the length of the call.



3 When the other party answers, talk into the microphone.



4 To hang up, press [OFF] or place the handset on the base unit.



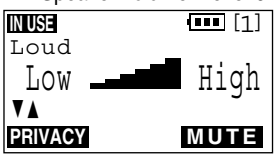
Hands-free Digital Duplex Speakerphone

For best performance, please note the following:
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, press [▼] to decrease the speaker volume.
- If the other party's voice from the speaker cuts in/out during a conversation, press [▼] to decrease the speaker volume.
- While talking using [phone], you can switch to the hands-free phone conversation by pressing [speaker]. To switch back to the receiver, press [phone].

To adjust the receiver volume (HIGH, MEDIUM or LOW) or speaker volume (6 levels) while talking

To increase, press [▲].
To decrease, press [▼].
- Each time you press [▼] or [▲], the volume level will change.
- The number of steps indicates the volume level.
- The display will return to the length of the call.

Ex. Receiver volume: High
Speaker volume: Level 6

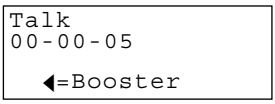


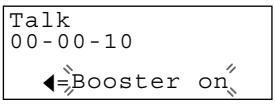
Reception Booster feature

The feature allows the handset to improve the sound quality when using in an area with interference.
Press ◄ in the talk or speakerphone mode.

- "Booster on" will flash on the display.
- To turn the feature off, press ◄ or ►.
- The feature will be off after hanging up or when putting a call on hold or making a conference.
- The battery operating time will be shortened using this feature (p. 13).

Ex. Talk mode



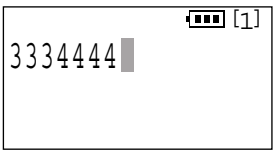


To redial the last number dialed on the handset

Press ☎ or 🔊, and press **PAUSE/REDIAL**.

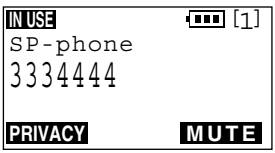
To dial after confirming the entered number

1 Enter a phone number.
- If you misdial, press **HOLD/CLEAR**. One digit will be erased. Dial the correct phone number.
- To cancel, press **OFF**.



2 Press ☎.
OR
To have a hands-free phone conversation, press 🔊, and when the other party answers, talk into the microphone.
- After a few seconds, the display will show the length of the call.

Ex. Speakerphone mode

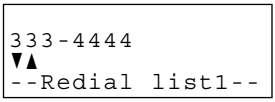


3 To hang up, press **OFF** or place the handset on the base unit.

To redial using the redial list (Memory Redial)

The last 5 phone numbers dialed with the handset are stored in the redial list.

1. Press **PAUSE/REDIAL**.
   - The last number dialed is displayed with number 1.

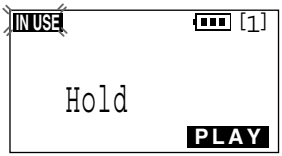


2. Scroll to the desired number by pressing ▼ or ▲.
   - You can also scroll down through the list by pressing **PAUSE/REDIAL**.
   - To exit the list, press **OFF**.
3. Press or .

- **To erase an item**, repeat steps 1 and 2, and press **HOLD/CLEAR**.
- If "No items stored" is displayed, the list is empty.

To put a call on hold

Press **HOLD/CLEAR** **twice**.



- "IN USE" flashes on the display, "Hold" is displayed and the call is put on hold.
- To transfer the call to the base unit or another handset (if the system has one or more additional handsets, p. 26), see page 52; to transfer to a mailbox to allow the outside party to leave a message there, see page 70.
- If a call is kept holding for 6 minutes, an alarm tone will start to sound. After 4 additional minutes on hold the call will be disconnected.

To release the hold

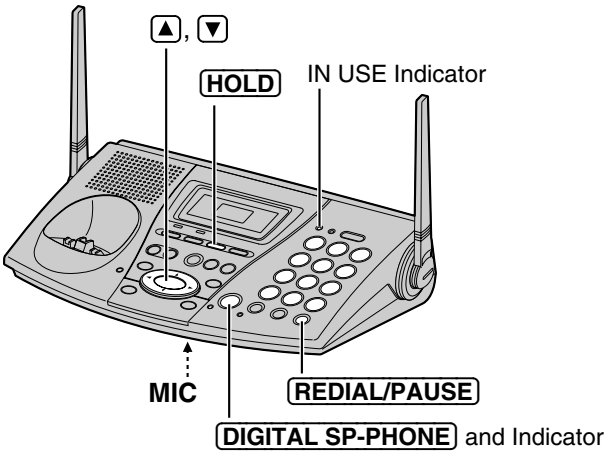
From the handset, press or .
From the base unit, press **DIGITAL SP-PHONE**.

- If another phone is connected on the same line (p. 82), you can also release the hold by lifting its handset.
- If the system has one or more additional handsets (p. 26), another handset user can also release the hold by pressing or .

Lighted handset keypad

The handset dialing buttons will light when you press a button or lift the handset or when a call is received. The lights will go out a few seconds after pressing a button to start operations, lifting the handset, answering a call or pressing a button to complete operations such as hanging up a call, leaving the Caller List/Directory or programming.

Base Unit (Digital Duplex Speakerphone)



1 Press **DIGITAL SP-PHONE**.
- The DIGITAL SP-PHONE indicator and the IN USE indicator light.

2 Dial a phone number.

3 When the other party answers, talk into the **MIC** (microphone).

4 To hang up, press **DIGITAL SP-PHONE**.
- The indicator lights go out.

- To switch to the handset while using the base unit speakerphone:
  – If the handset is off the base unit, press [ ] or [ ] on the handset, then press **DIGITAL SP-PHONE** on the base unit.
  – If on the base unit, just lift up.
- To use **PRIVACY** and **MUTE** features, see page 55 and 60.

Hands-free Digital Duplex Speakerphone

For best performance, please note the following:
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, press ▼ to decrease the speaker volume.
- If the other party's voice from the speaker cuts in/out during a conversation, press ▼ to decrease the speaker volume.

To adjust the speaker volume (8 levels) while talking

To increase, press [▲].

To decrease, press [▼].

•The volume level is displayed.

Ex. Level 8

To redial the last number dialed on the base unit

Press [**DIGITAL SP-PHONE**] and press [**REDIAL/PAUSE**].

To put a call on hold

Press [**HOLD**].

•The DIGITAL SP-PHONE indicator and IN USE indicator lights start to flash.
•If a call is kept holding for 6 minutes, an alarm tone will start to sound. After 4 additional minutes on hold the call will be disconnected.

To release the hold

From the base unit, press [**DIGITAL SP-PHONE**].

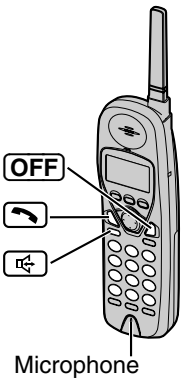
From the handset, press [ ] or [ ].

•If another phone is connected on the same line (p. 82), you can also release the hold by lifting its handset.
•The DIGITAL SP-PHONE indicator and IN USE indicator lights stop flashing.

Answering Calls

When a call is received, the unit rings and "`Incoming call`" is displayed on the handset and the IN USE indicator flashes quickly on the base unit. If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 34). In order to view the Caller ID information, please wait until the second ring to answer a call.

Handset



1 Press [ ].
- You can also answer a call by pressing any dialing button [0] to [9], [*] or [#] (**Any Key Talk**).

OR

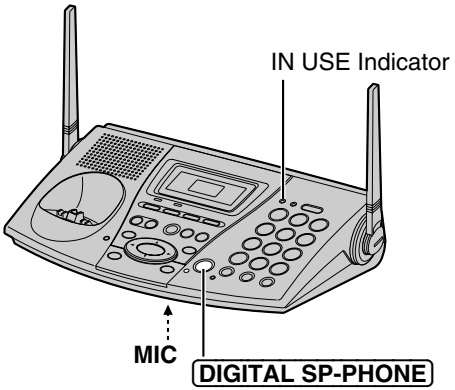
Press [ ], and when the other party answers, talk into the microphone.

2 To hang up, press [OFF].

Auto Talk

If you set the Auto Talk feature to ON (p. 18), you can answer a call by lifting the handset off the base unit without pressing [ ] or [ ].
If you purchase an additional handset (p. 26), you can answer a call by lifting it off the charger.

Base Unit



1 Press [DIGITAL SP-PHONE].

2 Talk into the **MIC**.

3 To hang up, press [DIGITAL SP-PHONE].

- **To transfer the call that you took, to another person, see pages 52 and 53. To transfer the call to a mailbox to allow the caller to leave a message there, see page 70.**
- When the handset and base unit ringer volumes are set to OFF, they will not ring (p. 19, 20).

Caller ID Service

This unit is compatible with a Caller ID service offered by your telephone company. If you subscribe to a Caller ID service, the calling party's information will be shown on the handset after the first ring.

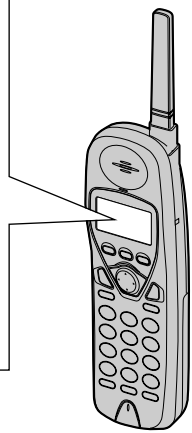
The handset can record information of up to 50 different callers, including the time and date received and the number of times called, in the Caller List. The Caller List information is sorted by the most recent to the oldest call. When the 51st call is received, the first call is deleted.

Using the list, you can automatically call back a caller. You can store the callers' names and numbers from the Caller List into the directory.
If you subscribe to both Caller ID and Call Waiting services, when a second call is received while talking, the new caller's name and phone number will be displayed (p. 60).

How caller information is displayed when a call is received

The handset display shows the caller's name and phone number after the first ring.

•After you answer the call, the display will show the length of the call.

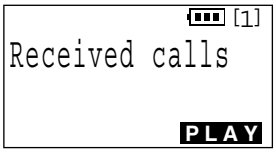


•Caller information cannot be displayed in the following cases:
—If the caller dialed from an area which does not provide a Caller ID service, the display will show "Out of area".
—If the caller has requested not to display his/her information, the display will show "Private caller".
•If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
•The name display service may not be available in some areas. For further information, please contact your telephone company.
•If the handset has lost communication with the base unit when a call is received, the caller information will not be recorded in the Caller List.

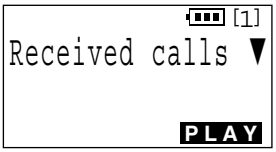
Using the Caller List

If you have received new calls, "Received calls" will be displayed while the handset is not in use.

Handset on the base unit



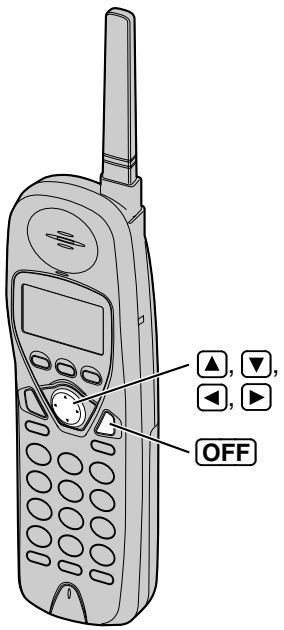
Handset off the base unit



•If the battery needs to be charged, "Received calls" will not be displayed (p. 13).

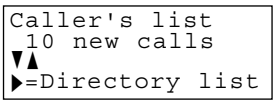
Viewing the Caller List

To check who has called, follow the steps below.
Make sure the handset is not being used.



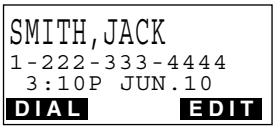
1 Press ▼ or ▲ to enter the Caller List.

•The display will show, for example, the following.



2 To search from the most recent call, press ▼.
To search from the oldest call, press ▲.

•To scroll between callers, press ▼ or ▲.

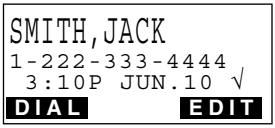


3 To exit the list, press OFF.

•If "No items stored" is displayed, the Caller List is empty.
•If there is no name information for a caller, the display will only show the phone number.
•After viewing all of the new call entries in the Caller List, "Received calls" will disappear.
•Once new calls have been checked, "√" will be added to caller information.
•If the system has one or more additional handset (p. 26), each handset has the Caller List individually. If you checked the Caller List on your handset, Caller List information in the other handsets will remain still NEW and "√" will not be added.
•In step 1, you can go to the directory list by pressing ▶ (p. 44).
•If you do not press any buttons for 60 seconds, the handset will exit the Caller List.
•To use "DIAL" feature, see pages 36. To use "EDIT" feature, see page 37.

What "√" means

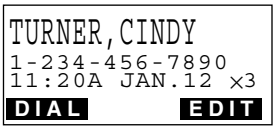
When the display shows "√", you have already viewed this calling information, answered the call or called back the caller. If the same caller calls again, the call entry with "√" will be replaced with the new call entry.



If a caller calls more than once

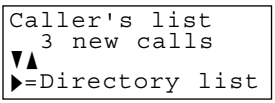
The number of times the same caller called is displayed (×2 to ×9). The date and time of the most recent call will be recorded. After checking, ×2 to ×9 will be replaced with "√".

Ex. The caller called 3 times.

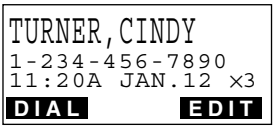


Calling Back from the Caller List

1 Press ▼ or ▲ to enter the Caller List.



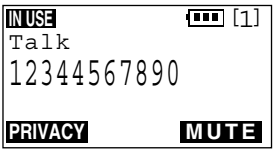
2 Scroll to the desired caller by pressing ▼ or ▲.



3 Press ☎, 🎧 or the left soft key (**DIAL**).

- The displayed phone number is dialed automatically.

Ex. Talk mode



- In some cases, you may have to edit the number before dialing (p. 37). (Ex. You may have to delete "1" and the area code.)
- If a phone number is not displayed in the caller information, you cannot call back that caller.

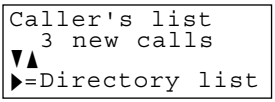
Editing the Caller's Phone Number

You can edit a phone number into one of 3 patterns to call back or store it into the directory.

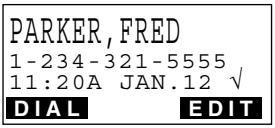
The Caller ID Number Auto Edit Feature (p. 38)
This feature will allow the unit to edit a Caller ID number into one of 3 patterns you desired for you automatically in the Caller List. For details and activation please see page 38.

Make sure the handset is not being used.

1 Press ▼ or ▲ to enter the Caller List.



2 Scroll to the desired caller by pressing ▼ or ▲.



3 Press the right soft key (**EDIT**) to select a pattern.

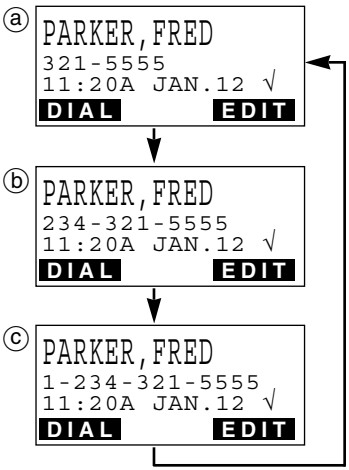
- Each time you press the right soft key (**EDIT**), the number is rearranged into one of 3 patterns.

ⓐ Phone no.

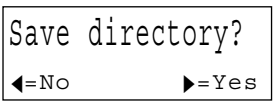
ⓑ Area code – Phone no.

ⓒ 1 – Area code – Phone no.

- The order in which patterns ⓐ–ⓒ are displayed depends on how the telephone number is displayed in step 2.



4 After editing the number, you can continue with calling back or storing procedures. To call back, press ☎, 🔊, or the left soft key (**DIAL**) (p. 36).
To store the number in the directory, press ▶. Follow the instructions on the display (see page 39, from step 4).



- If a 7-digit number comes without editing, "**EDIT**" will not display with the item and you cannot edit that 7-digit number.

The Caller ID Number Auto Edit Feature

There are 3 patterns of phone number (ⓐ, ⓑ, and ⓒ, p. 37). This feature allows your phone to automatically edit an in-coming Caller ID number into one pattern you preferred, and display the Caller ID number with that pattern on the handset automatically.

After this feature is activated, Caller ID numbers coming from considered area codes (201, for example), from which the Caller ID numbers have been chosen to follow the desired pattern (7 digit pattern, for example), will be automatically edited from other patterns (11 digit pattern, for example) into the same pattern you have previously selected (which is 7 digit pattern, in the example).

Up to 4 area codes are allowed for this feature for pattern ⓐ and ⓑ (p. 37).

To activate this feature, you must (1) set this feature to on, and (2) make an out-going call from Caller List (p. 36) with a number which has one of 3 patterns that you have edited with considered area code, and that you prefer to be followed by future Caller ID numbers, so that in the future all the Caller ID numbers coming from the same area code will be displayed in the same pattern.

The Caller ID number Auto Edit feature is preset to ON at factory.

- If you fail to reach your destination when making the call, the phone number you dialed might have an incorrect pattern, please edit the phone number with another pattern (p. 37).

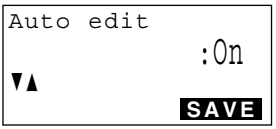
For example, if you move to another area, you may need to turn this feature to OFF to erase previously edited area codes. Then, if still need, you may activate this feature again.

Make sure the handset is not being used.

1. Press **CONF/FUNCTION**.
2. Scroll to "`Initial setting`" by pressing ▼ or ▲, and press ▶.

3. Scroll to "`Caller ID edit`" by pressing ▼ or ▲, and press ▶.

4. Select "`On`" or "`Off`" by pressing ▼ or ▲.
5. Press the right soft key (**SAVE**).
   - A beep sounds.
   - To exit the programming mode, press **OFF**.

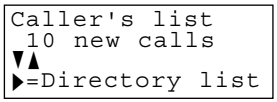


- When the feature is set to OFF, the unit will still be able to display Caller ID, like regular Caller ID telephone, but the in-coming Caller ID number will not be edited by pattern and by area codes.

Storing Caller List Information in the Directory

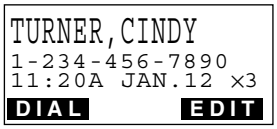
You can store phone numbers that are in the Caller List into the directory.
Make sure the handset is not being used.

1 Press ▼ or ▲ to enter the Caller List.



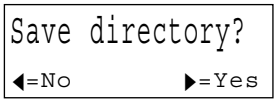
2 Scroll to the caller you want to store in the directory by pressing ▼ or ▲.

- If the number requires editing, press the right soft key (**EDIT**) (p. 37).



3 Press ▶.

- To stop storing, press ◀.



4 Press ▶ again.

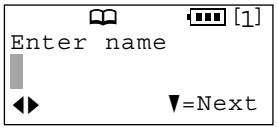
- A beep sounds.
- To continue storing other items, repeat from step 2.
- To exit the programming mode, press **OFF**.

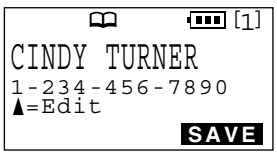
If there is no name information for the caller, "`Enter name`" will be displayed.

① If a name is not required, press ▼.
If a name is required, enter the name (p. 43). When finished, press ▼.

② Press the right soft key (**SAVE**).

- A beep sounds.
- To continue storing other items, repeat from step 2.
- To exit the programming mode, press **OFF**.





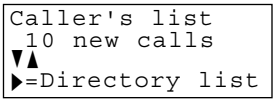
- You can exit the programming mode any time by pressing **OFF**.
- If the display shows "`Directory Full`" in step 4, press **OFF** to exit the list. To erase other stored items from the directory, see page 46.
- You cannot store caller information in the directory if a phone number is not displayed.

Erasing Caller List Information

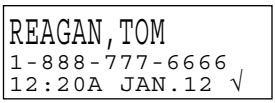
After checking the Caller List, you can erase some or all of the entries.
Make sure the handset is not being used.

To erase a specific caller from the Caller List

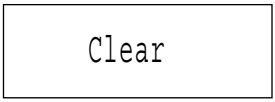
1 Press ▼ or ▲ to enter the Caller List.



2 Scroll to the caller you want to erase from the Caller List by pressing ▼ or ▲.



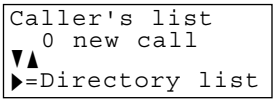
3 Press **HOLD/CLEAR**.
- A beep sounds and the information is erased.
- To erase other items, repeat from step 2.
- To exit the Caller List, press **OFF**.



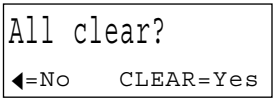
To erase all entries in the Caller List

Before erasing all entries, make sure that "0 new call" is displayed.

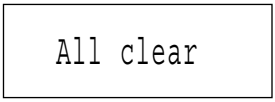
1 Press ▼ or ▲ to enter the Caller List.



2 Press **HOLD/CLEAR**.
- To stop erasing, press ◀.



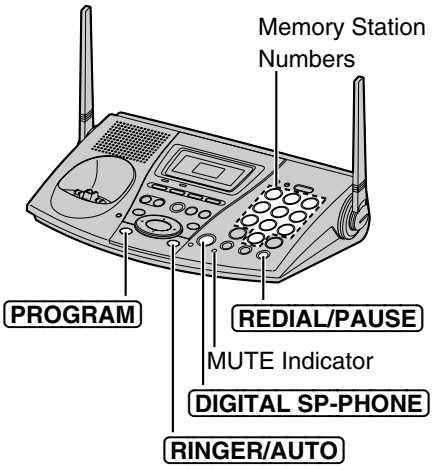
3 Press **HOLD/CLEAR** again.
- A beep sounds and all entries are erased.



Speed Dialer

Storing Phone Numbers

You can store up to 10 phone numbers in the base unit. The dialing buttons (0 to 9) function as memory stations.
Make sure the base unit is not being used.



1 Press **PROGRAM**.
- The MUTE indicator flashes and "P" is displayed.

2 Enter a phone number up to 22 digits.
- The last digit of the entered number is displayed.
- If you misdial, press **PROGRAM**, and start again from step 1.

3 Press **RINGER/AUTO**.

4 Press a memory station number (0 to 9).
- A beep sounds.
- To store other numbers, repeat steps 1 to 4.

- If a pause is required for dialing, press **REDIAL/PAUSE** where needed. Pressing **REDIAL/PAUSE** counts as one digit (p. 61).
- When entering *, "t" is displayed. When entering #, "=" is displayed.

To erase a stored number

Press **PROGRAM**, press **RINGER/AUTO** and press the memory station number (0 to 9) for the phone number to be erased.

Dialing a Stored Number

1 Press **DIGITAL SP-PHONE**.

2 Press **RINGER/AUTO**.

3 Press a memory station number (0 to 9).
- The stored number is dialed.

- Numbers stored in the base unit can only be dialed from the base unit.

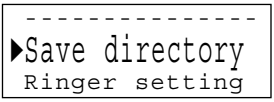
Directory

You can store up to 50 names and phone numbers in the directory using the handset. All of the directory items are sorted by the first word in alphabetical order. You can make a call by selecting a name on the handset display.
When the system has one or more additional handsets (p. 26), each handset has the directory list individually, and you can also send the directory items from your handset to another handset (p. 47).

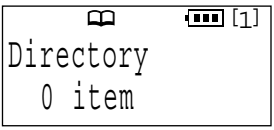
Storing Names and Numbers

Make sure the handset is not being used.

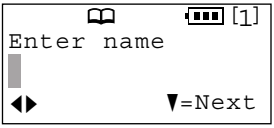
1 Press **CONF/FUNCTION**.

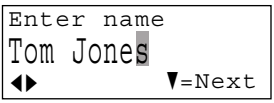


2 Press ► at "Save directory".
- The display shows the number of stored items in the directory.

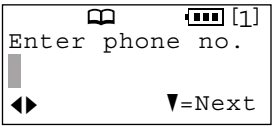


3 Enter a name, up to 16 characters with the dialing buttons (0 to 9) (p. 43).
- To move the cursor, press ◄ or ►.
- If a name is not required, press ▼ and go to step 5.



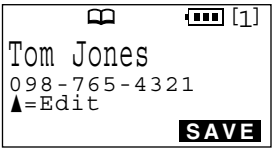


4 Press ▼.



5 Enter a phone number, up to 22 digits.
- Each time you press **HOLD/CLEAR**, a digit is erased. To erase all of the digits, press and hold **HOLD/CLEAR**.
- To move the cursor, press ◄ or ►.

6 Press ▼.
- If you want to change the name or number, press ▲ to reach the desired display and change it.



7 Press the right soft key (**SAVE**).
- A beep sounds.
- To continue storing other items, repeat from step 2.
- To exit the programming mode, press **OFF**.

- If a pause is required for dialing, **PAUSE/REDIAL** can be stored in a phone number counting as one digit (p. 61).
- You can exit the programming mode any time by pressing **OFF**.
- If the display shows "`Directory Full`" in step 2 on page 42, press **OFF** to exit the programming mode. To erase other stored items from the directory, see page 46.

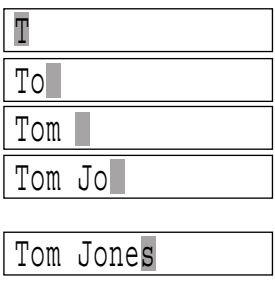
Selecting characters to enter names

The handset dialing buttons (0 to 9) can be used to enter letters and symbols. The letters are printed on the dialing buttons. Pressing each button selects a character as shown below.

Keys	Number of times key is pressed										
	1	2	3	4	5	6	7	8	9	10	11
1	#	&	’	(	)	∗	,	–	.	/	1
2	a	b	c	A	B	C	2				
3	d	e	f	D	E	F	3				
4	g	h	i	G	H	I	4				
5	j	k	l	J	K	L	5				
6	m	n	o	M	N	O	6				
7	p	q	r	s	P	Q	R	S	7		
8	t	u	v	T	U	V	8				
9	w	x	y	z	W	X	Y	Z	9		
0	0	Blank									
◄	Moves the cursor to the left.										
►	Moves the cursor to the right. (To enter another character using the same number key, move the cursor to the next space.)										
HOLD/CLEAR	Erases characters.										

For example, to enter "Tom Jones":

1. Press 8 four times.
2. Press 6 three times, then press ►.
3. Press 6 once, then press ► twice.
4. Press 5 four times, press 6 three times, then press ►.
5. Press 6 twice, press 3 twice, then press 7 four times.

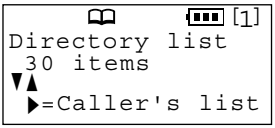


If you make a mistake while entering a name:
Press ◄ or ► to move the cursor to the incorrect character, press **HOLD/CLEAR** to delete and enter the correct character. Each time you press **HOLD/CLEAR** a character is erased. To erase all characters, press and hold **HOLD/CLEAR**.

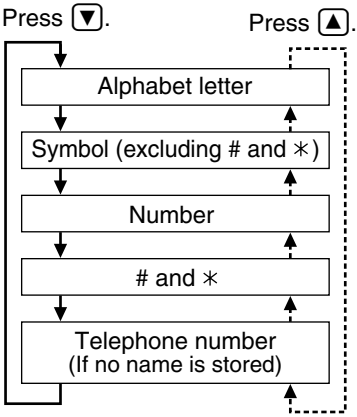
Dialing from the Directory

Make sure the handset is not being used.

1 Press ◄ or ► to enter the directory list.
- The display shows the number of stored items in the directory.



2 Scroll to the desired item by pressing ▼ or ▲.
- All directory items are stored in the order shown on the right.



To search for a name by initial:
①Press the dialing button for the first letter of the desired name until any name with the same initial is displayed (see the Index table below).
Ex. To find "Frank", press 3 repeatedly until the first item under "F" is displayed.

②Press ▼ repeatedly until the name is displayed.

3 Press ☎ or 🔊.
- The number is dialed automatically.

- If "No items stored" is displayed in step 1, the directory list is empty.
- You can leave the directory list any time by pressing **OFF**.
- In step 1, you can go to the Caller List by pressing ► (p. 35).

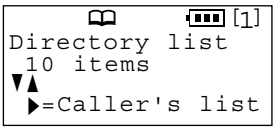
Index table

Keys	Index	Keys	Index
1	Other symbols, 1	6	M, N, O, 6
2	A, B, C, 2	7	P, Q, R, S, 7
3	D, E, F, 3	8	T, U, V, 8
4	G, H, I, 4	9	W, X, Y, Z, 9
5	J, K, L, 5	0	0

Editing

Make sure the handset is not being used.

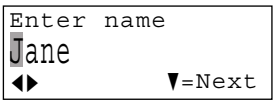
1 Press ◄ or ► to enter the directory list.



2 Scroll to the directory item you want to change, by pressing ▼ or ▲.

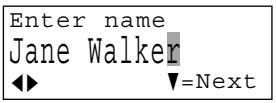
•To search for the item by initial, see page 44.

3 Press the right soft key (**EDIT**).

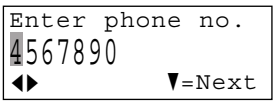


4 Edit the name using the dialing buttons, up to 16 characters (p. 43).

•To move the cursor, press ◄ or ►.
•If you do not need to change the name, press ▼ and go to step 6.



5 Press ▼.



6 Add a number to the current number.

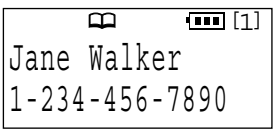
•If you do not need to change the number, press ▼ and go to step 8.
•Each time you press **HOLD/CLEAR**, a digit is erased. To erase all digits, press and hold **HOLD/CLEAR**.
•To move the cursor, press ◄ or ►.

7 Press ▼.

•If you want to change the name or number, press ▲ to reach the desired display and change it.

8 When finished, press the right soft key (**SAVE**).

•A beep sounds.
•To continue editing other items, repeat from step 2.
•To exit the directory list, press **OFF**.

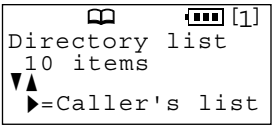


•You can exit the edit mode any time by pressing **OFF**.

Erasing

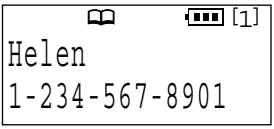
Make sure the handset is not being used.

1 Press ◄ or ► to enter the directory list.



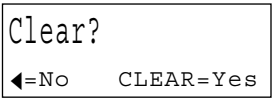
2 Scroll to the directory item that you want to erase by pressing ▼ or ▲.

•To search for the item by initial, see page 44.



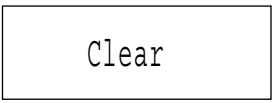
3 Press **HOLD/CLEAR**.

•To stop erasing, press ◄.



4 Press **HOLD/CLEAR**.

•A beep sounds and the item is erased.
•To erase other items, repeat from step 2.
•To exit the directory list, press **OFF**.



•You can exit the programming mode any time by pressing **OFF**.

Sending the Directory (When the System Has Additional Handsets)

This feature can be used only when one or more additional handsets have been registered to the base unit (p. 26). You can send a directory item or all the items from your handset to another handset. Entries copied to the destination handset are added to its directory. (**Phone Directory Sharing**)

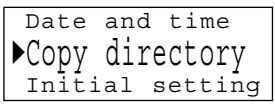
- If an external call is being received during the directory transfer, the transfer will be stopped. You will need to re-send the item(s).
- After the transfer started, do not place your handset on the base unit or charger until the transfer completes. Otherwise, the transfer will be stopped.

Make sure the base unit, your handset and the destination handset are not being used.

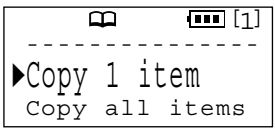
To send one directory item to another handset

1 Press **CONF/FUNCTION**.

2 Scroll to "Copy directory" by pressing ▼ or ▲, and press ▶.

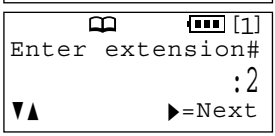


3 Press ▶ at "Copy 1 item".

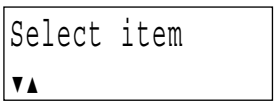


4 Select the destination extension number by pressing ▼ or ▲.

- You can also select the extension number by pressing the dialing button (1 to 8).



5 Press ▶.



6 Scroll to the directory item you want to send by pressing ▼ or ▲.

- To search for the item by initial, see page 44.

7 Press the right soft key (**SEND**).

- When the item has been transferred, "Complete" displays and a beep sounds.

- The destination handset display will show "Directory Receiving" then "Directory Received".
- You can continue sending another item. To exit the directory sending mode, press **OFF**.

•If "---Incomplete---" and "Directory full" are displayed with the item in step 7 on page 47, the destination handset directory memory is full. To exit the directory sending mode, press OFF. To re-send the item, erase an unnecessary item from the destination handset (p. 46), and make sure the handset is not in use and try again.
•You can exit the directory sending mode by pressing OFF.

To send all of the items in your directory to another handset

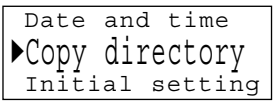
1 Press CONF/FUNCTION.

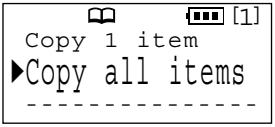
2 Scroll to "Copy directory" by pressing ▼ or ▲, and press ►.

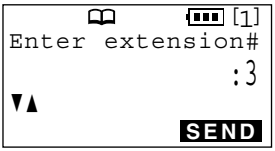
3 Scroll to "Copy all items" by pressing ▼ or ▲, and press ►.

4 Select the destination extension number by pressing ▼ or ▲.
- You can also select the extension number by pressing the dialing button (1 to 8).

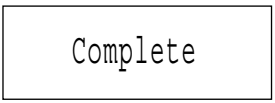
5 Press the right soft key (SEND).
- The display will show items one by one and each item's number.
- When all items have been transferred, "Complete" displays and a beep sounds.
- The destination handset display will show "Directory Receiving" then "Directory Received".
- The display will return to step 3. You can continue sending items to another extension. To exit the directory sending mode, press OFF.







Ex. Sending 1st item out of 10 items



•If "---Incomplete---" and "Directory full" are displayed with an item, the destination handset directory memory is full. That item and items after it have not been transferred to the destination handset. To exit the directory sending mode, press OFF. To erase other stored items from the destination handset directory, see page 46. You can re-send all of the items or re-send the items which have not been transferred one by one (p. 47).
•You can exit the directory sending mode by pressing OFF.

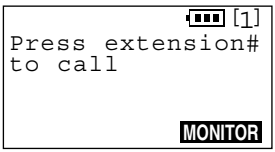
Intercom

A 2-way intercom is possible between the handset and the base unit. When the system has one or more additional handsets (p. 26), a 2-way intercom is also possible between two handsets. You can call all handsets from the base unit at once.
The handset included with the base unit has the extension number 1 which has "[1]" on the display, and the base unit has the extension number 0. Each additional handset is assigned the number at registration (p. 26).

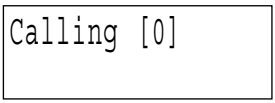
Making Intercom Calls

Handset

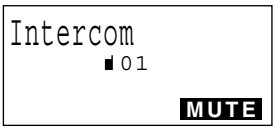
1 Press **HOLD** **(INTERCOM)**.

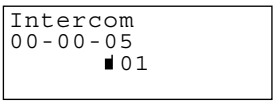


2 **To page the base unit,** press **0**.
- The base unit will ring for 1 minute.
- To stop paging, press **OFF**.

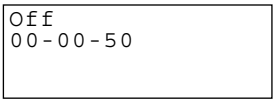


3 When the paged party answers, talk into the handset.
- You can switch to the speaker by pressing . To switch back to the receiver, press .





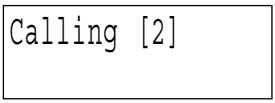
4 To end the intercom, press **OFF**.

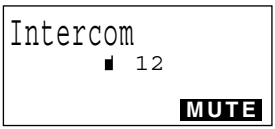


To page another handset (when the system has additional handsets, p. 26):
Press **HOLD** **(INTERCOM)**, and enter the extension number using the dialing button (**1** to **8**).
- The destination handset will ring for 1 minute.

To end the intercom, press **OFF** or place the handset on the base unit or the charger.

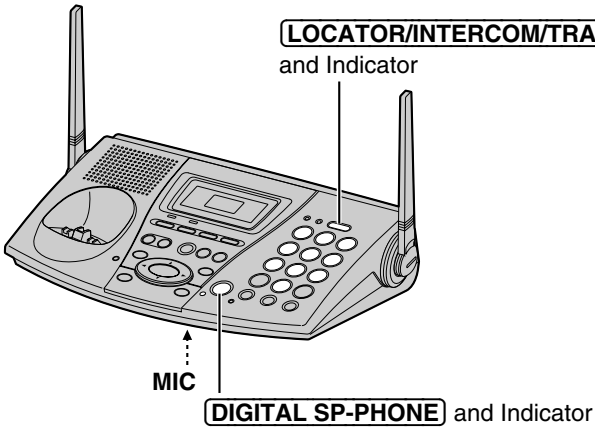
Ex. Handset 2 calling





Base unit

Using this feature, you can also locate a misplaced handset.



1 Press **LOCATOR/INTERCOM/TRANSFER**.
- The LOCATOR/INTERCOM/TRANSFER indicator and the DIGITAL SP-PHONE indicator light.

2 To page the handset, enter the extension number, using the dialing button (**1** to **8**).
- The handset will ring for 1 minute.
- To stop paging, press **DIGITAL SP-PHONE** or **LOCATOR/INTERCOM/TRANSFER**.

3 When the paged party answers, talk into the **MIC**.

4 To end the intercom, press **DIGITAL SP-PHONE** or **LOCATOR/INTERCOM/TRANSFER**.
- The LOCATOR/INTERCOM/TRANSFER indicator and DIGITAL SP-PHONE indicator lights go out.

To page all handsets (when the system has additional handsets, p. 26):
Press **LOCATOR/INTERCOM/TRANSFER**, and enter **0**.
- All handsets will ring for 1 minute.
- You can only talk with the handset user who answers first.

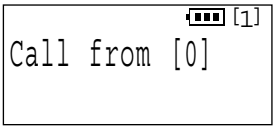
During an intercom call:
- If you have difficulty hearing the other party, decrease the speaker volume by pressing ▼.
- If an incoming call is being received, you will hear two tones (incoming call tone, p. 63) and the IN USE indicator on the base unit will flash quickly. To answer, if you are using the handset, press **OFF** and press ☎ or 🔊. If you are using the base unit, press **DIGITAL SP-PHONE** **twice**.
- If the handset detects a problem, an error message will be displayed (p. 86).

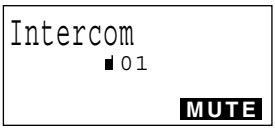
Answering Intercom Calls

Handset

When an intercom call is being received, the handset rings and the display shows the calling extension.

Ex. Base calling





Press ☎, 🔊 or **HOLD** **(INTERCOM)**.

- You can also answer the call by pressing any dialing button **0** to **9**, ✱ or # (**Any Key Talk**).

To end the intercom, press **OFF** or place the handset on the base unit or the charger.

Auto Talk:
If you set the Auto Talk feature to ON (p. 18), you can answer a call by lifting the handset off the base unit without pressing ☎, 🔊 or **HOLD** **(INTERCOM)**. If you purchase an additional handset (p. 26), you can answer a call by lifting it off the charger.

Base unit

When an intercom call is being received, the base unit rings and the LOCATOR/INTERCOM/TRANSFER indicator light flashes.

Press **LOCATOR/INTERCOM/TRANSFER** or **DIGITAL SP-PHONE**.

- The LOCATOR/INTERCOM/TRANSFER indicator and the DIGITAL SP-PHONE indicator light.

To end the intercom, press **DIGITAL SP-PHONE** or **LOCATOR/INTERCOM/TRANSFER**.

- The LOCATOR/INTERCOM/TRANSFER indicator and DIGITAL SP-PHONE indicator lights go out.

- When the ringer volume is off (p. 19, 20), the handset and base unit will ring at the LOW level for internal calls.
- You cannot change the ringer tone for internal calls.

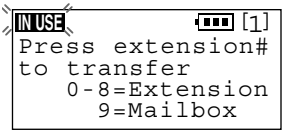
Transferring a Call

You can transfer an external call between the base unit and the handset. When the system has one or more additional handsets (p. 26), you can transfer an external call between two handsets.

To transfer a call from the handset

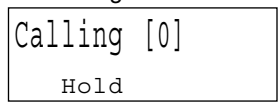
1 During a call, press **HOLD** **(TRANSFER)**.

- "**IN USE**" flashes on the display and the call is put on hold.



2 To page the base unit, press **0**.
To page another handset (when the system has additional handsets, p. 26): Enter the extension number using the dialing button (**1** to **8**).

Ex. Calling Base



3 If required, wait for the paged party to answer, and you can announce the transfer. If not required, go to step 4.

- If the paged party does not answer, press or to return to the outside call.

Ex. Intercom with Base

4 To complete the transfer, press **OFF**.

To answer from the base unit a transferred call:

–If the paging party announces the transfer, the LOCATOR/INTERCOM/TRANSFER indicator light flashes. Press **DIGITAL SP-PHONE** or **LOCATOR/INTERCOM/TRANSFER** to answer the page.

- After the paging party hangs up the call, you can talk to the outside caller.

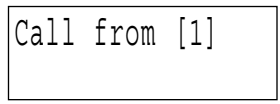
–If the paging party hangs up before you answer the page, press **DIGITAL SP-PHONE** to take the transferred call.

To answer from another handset a transferred call (when the system has additional handsets, p. 26):

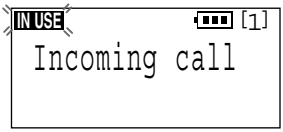
–If the paging party announces the transfer, the calling extension is displayed. Press , or **HOLD** **(INTERCOM)** to answer the page.

- After the paging party hangs up the call, you can talk to the outside caller.

Ex. Handset 1 calling



–If the paging party hangs up before you answer the page, "Incoming call" is displayed. Press or to take the transferred call.



To transfer a call from the base unit

1 During a call, press **LOCATOR/INTERCOM/TRANSFER**.
- The call is put on hold.

2 To page the handset, enter the extension number using the dialing button (1 to 8).
To page all handsets (when the system has additional handsets, p. 26), press 0.

3 If required, wait for the handset user to answer, and you can announce the transfer.
If not required, go to step 4.
- If the paged party does not answer, press **DIGITAL SP-PHONE** **twice** to return to the outside call.

4 To complete the transfer, press **DIGITAL SP-PHONE**.

- Even if you call all handsets, only the handset user who answers first can take the transferred call.

To answer from the handset a transferred call:

–If the paging party announces the transfer, the calling extension is displayed. Press , or **HOLD** **(INTERCOM)** to answer the page.
- After the paging party hangs up the call, you can talk to the outside caller.

Ex. Base calling

```
Call from [0]
```

–If the paging party hangs up before you answer the page, "`Incoming call`" is displayed. Press or to take the transferred call.

- Any users can take a transferred call by pressing , or **DIGITAL SP-PHONE**.
- If you do not announce the transfer and if the paged party does not answer within 60 seconds after you hang up, the transferred call will be returned to you with ringing. If you still do not answer the caller's call within 4 minutes, the call will be disconnected. You may answer the caller by pressing , or **DIGITAL SP-PHONE** before or during the ringing. After answering the caller, you may also transfer the caller into a mailbox by performing the following three steps:
  (1) telling the caller the # sign and the intended mailbox number if necessary (p. 64),
  (2) your pressing **HOLD** **(TRANSFER)** or **LOCATOR/INTERCOM/TRANSFER**, and
  (3) your pressing the 9 button to hang up a call, so the intended mailbox will be presented to the caller (p. 70).

Conference

While you are talking with an outside caller, you can call the base unit or the handset to make a conference call. When the system has one or more additional handsets (p. 26), you can make a conference call with your handset and another handset.

Handset

1 During a call, press **HOLD (TRANSFER)**.
- "**IN USE**" flashes on the display and the call is put on hold.

2 To page the base unit, press **0**.
OR
To page another handset (when the system has additional handsets, p. 26), enter the extension number using the dialing button (**1** to **8**).

3 When the paged party answers, press **CONF/FUNCTION** on your handset to make a conference call.

Ex. Conference with Base

- To leave the conference, press **OFF**. The two other parties can continue the conversation.

Base unit

1 During a call, press **LOCATOR/INTERCOM/TRANSFER**.
- The call is put on hold and the IN USE indicator flashes.

2 To page the handset, enter the extension number using the dialing button (**1** to **8**).

3 When the paged party answers, press **CONF** on the base unit to make a conference call.
- To leave the conference, press **DIGITAL SP-PHONE**. The two other parties can continue the conversation.

- During a conference, the outside call can be placed on hold by pressing **HOLD (TRANSFER)** on the handset or **HOLD** on the base unit. Internal communications between extensions are not suspended. Only the person who placed the call on hold can resume the full conference; press **CONF/FUNCTION** on the handset or **CONF** on the base unit.
- Two more extensions can join the conference call if all other extensions are not being used. To join the conference call, press , or **DIGITAL SP-PHONE**. A maximum of five parties including the outside party can take part in a conference call if all other extensions are not being used.

Call Share

This feature allows the handset or the base unit to join the existing external call.
When the system has one or more additional handsets (p. 26), a handset user can join another handset user's conversation.

To join a conversation (Call Share)

Handset:
Press [ ] or [ ].

Base unit:
Press [DIGITAL SP-PHONE].

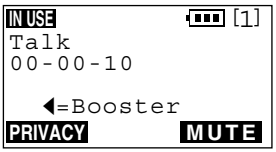
- A maximum of five parties including the outside party can join a conversation if all other extensions are not being used.
  Ex. While the base unit is engaged in an external call, up to 3 handsets can join the conversation.

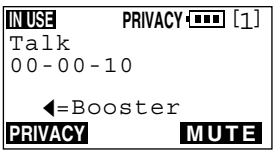
To prevent other users from joining your conversation (Call Privacy feature)

You can turn the feature on during a call.
If you allow other users to join your conversation, leave the feature off.

Handset:
Press the left soft key (PRIVACY) during a conversation.

- "**PRIVACY**" will be displayed on the first line.
- To turn the feature off, press the left soft key (PRIVACY) again. "**PRIVACY**" will disappear.





Base unit:
Press [PRIVACY] during a conversation.

- The PRIVACY indicator lights.
- To turn the feature off, press [PRIVACY] again. The PRIVACY indicator light goes out.

- When the Call Privacy feature is turned on, other users cannot join the conversation. The feature will return to off after you hang up the call.

Room Monitor Feature

This feature allows you to monitor a room through the handset or the base unit by using the intercom feature. For example you can monitor a baby from different areas of the house. You can call the handset or the base unit using the extension number, to monitor the room. The called unit will not ring. When the system has one or more additional handsets (p. 26), a handset user can monitor through another handset. If you allow other users to monitor through your handset or base unit, turn the feature on. If you want to prevent your unit from being monitored by other extensions, leave this feature off (factory preset). **The destination unit must not be used and the destination handset must be off the base unit (p. 57).**

To turn the handset Room Monitor feature on
(to allow other users to monitor through your handset)

Make sure the handset is not being used.

1 Press **CONF/FUNCTION**, and scroll to "Initial setting" by pressing ▼ or ▲, and press ►.

2 Scroll to "Room monitor" by pressing ▼ or ▲, and press ►.

3 Select "On" by pressing ▼ or ▲, and press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.

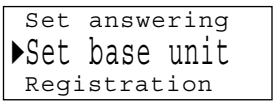
- To prevent your handset from being monitored, select "Off" in step 3 and press the right soft key (**SAVE**).

To turn the base unit Room Monitor feature on
(to allow the handset to monitor through the base unit)

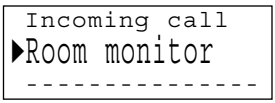
Use the handset. Make sure the base unit and the handset are not being used.

1 Press **CONF/FUNCTION**, and scroll to "Initial setting" by pressing ▼ or ▲, and press ►.

2 Scroll to "Set base unit" by pressing ▼ or ▲, and press ►.



3 Scroll to "Room monitor" by pressing ▼ or ▲, and press ►.

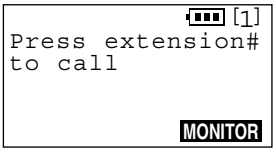


4 Select "On" by pressing ▼ or ▲, and press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.

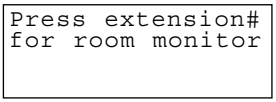
- To prevent your base unit from being monitored, select "Off" in step 4 and press the right soft key (**SAVE**).

To monitor with the handset

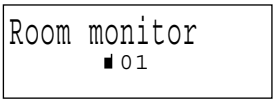
1 Press HOLD (INTERCOM).



2 Press the right soft key (MONITOR).



3 To call the base unit, press 0.
To call another handset (when the system has additional handsets, p. 26):
Enter the extension number using the dialing button (1 to 8).



- Your handset will start to monitor the room through the destination unit and "Room monitor" will be displayed, then the duration time will be displayed.
- To monitor from the speaker, press . You can place the handset on the charger but you cannot place it on the base unit to continue monitoring. Placing the handset on the base unit will disconnect room monitoring. To switch back to the receiver, press .
- The LOCATOR/INTERCOM/TRANSFER indicator flashes and the DIGITAL SP-PHONE indicator lights on the monitored base unit or "Room monitor" will be displayed on the monitored handset.

4 To end monitoring, press OFF or place the handset on the base unit.

- The base unit user can stop being monitored by pressing LOCATOR/INTERCOM/TRANSFER or DIGITAL SP-PHONE. The monitored handset user can stop being monitored by pressing OFF.
- If the Room Monitor feature of the destination unit is off or the destination handset is on the base unit, "Denied" will be displayed and busy tones will sound.

To monitor with the base unit

1 Press LOCATOR/INTERCOM/TRANSFER, and press MUTE.
- The LOCATOR/INTERCOM/TRANSFER indicator light flashes.

2 To call the handset, enter the extension number using the dialing button (1 to 8).
- The base unit will start to monitor the room through the handset.
- The handset will display "Room monitor".

3 To end monitoring, press LOCATOR/INTERCOM/TRANSFER or DIGITAL SP-PHONE.
- The LOCATOR/INTERCOM/TRANSFER indicator light goes out.

- The monitored handset user can stop being monitored by pressing OFF.
- If the Room Monitor feature of the destination handset is off or the handset is on the base unit, busy tones will sound.

2-Way Radio Communication
(When the System Has Additional Handsets)

If you purchase one or more additional handsets (p. 26), you can use this feature (except for KX-TGA272S). A handset user can talk with another handset user regardless of the base unit location. 2-Way Radio communication, which is the direct communication between a pair of handsets, does not need the base unit interface. You need to turn the mode on on the handsets.

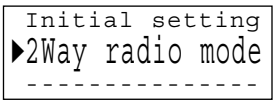
Once the mode is on, the handset can be used only to talk with another handset, and the following features cannot be used on the handset:
– Making/answering external and internal calls
– Searching the Caller List or directory
– Programming
– Accessing mailboxes to listen to messages
– Receiving Caller ID information
After finish using this mode, remember to turn the mode off. Otherwise the battery operating time will be shortened (p. 13).

To turn the 2-Way Radio mode on

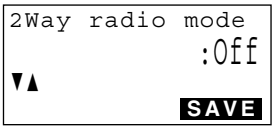
Make sure the handset is not being used.

1 Press **CONF/FUNCTION**.

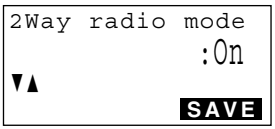
2 Scroll to "2Way radio mode" by pressing ▼ or ▲.



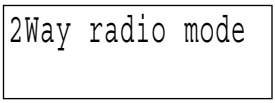
3 Press ▶.



4 Select "On" by pressing ▼ or ▲.



5 Press the right soft key (**SAVE**).
•A beep sounds and the mode will turn on.



•You can exit the programming mode any time by pressing **OFF**.

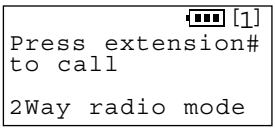
To turn the mode off:
Place the handset on the base unit or the charger.

•You can also turn the mode off by performing the three procedures: (1) press **CONF/FUNCTION**, (2) select "Off" by pressing ▼ or ▲, and (3) press the right soft key (**SAVE**).
•"2Way radio mode" will disappear and the mode will turn off.

To call another handset

Make sure the mode is on on your handset and the destination handset and the displays show "`2Way radio mode`".

1 Press [ ], [ ] or [HOLD] **(INTERCOM)**.



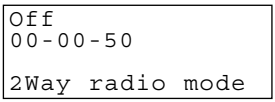
2 Enter the extension number using the dialing button ([1] to [8]).

- The called handset will ring for 1 minute.
- To stop calling, press [OFF].

3 When the called party answers, talk into the handset.

- After a few seconds, the display will show the length of the call.
- You can switch to the receiver or the speaker by pressing [ ] or [ ].

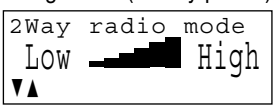
4 To end the conversation, press [OFF].



- To adjust the receiver volume (HIGH, MEDIUM or LOW) or speaker volume (6 levels) while talking, press [▼] or [▲].

To adjust the ringer volume for 2-Way Radio mode (High, Medium, Low or OFF):
To increase, press [▲] while the handset is not in use. To decrease, press [▼].

Ex. High level (factory preset)



- To turn the ringer off, press [▼] until "`Off`" displays. "`Ringer off`" will display and the handset will not ring in the 2-Way Radio mode.

To answer a call

1. After the rings, press [ ], [ ] or [HOLD] **(INTERCOM)**.
   - You can also answer a call by pressing any dialing button [0] to [9], [*] or [#] (**Any key talk**).

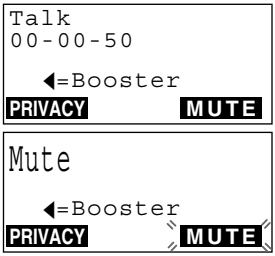
2. To end the conversation, press [OFF].

Special Features

Muting Your Conversation

During a call, you can make the other party not listen to you. When muting your conversation, you can hear the other party.

Ex. External call



For the handset; press the right soft key (**MUTE**).

- "Mute" will be displayed for a few seconds and "**MUTE**" will flash.
- To release the mute, press the right soft key (**MUTE**).
- When you switch between the receiver and speaker, the mute will be released.

For the base unit; press **MUTE**.

- The MUTE indicator lights.
- To release the mute, press **MUTE**.

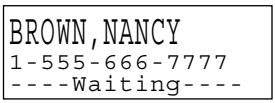
For Call Waiting Service Users

Press **FLASH/CALL WAIT** if you hear a call-waiting tone while talking.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press **FLASH/CALL WAIT** again.
- The call waiting service cannot be used when:
  —the first call is placed on hold,
  —the Answering System is responding to a call, or
  —a parallel connected telephone is in use.
- If this function does not operate properly, consult your telephone company for details.

Call Waiting Caller ID Feature

Call Waiting Caller ID Feature allows your handset to display the second caller's information. After you hear a call-waiting tone while talking, the handset will display the caller's name with the phone number and "----Waiting----".



- Please contact your telephone company for details and availability in your area.

Temporary Tone Dialing
(For Rotary or Pulse Service Users)

Press **TONE** before entering access numbers which require tone dialing.

- The dialing mode changes to tone. You can enter numbers to access an answering service, electronic banking service, etc. When you hang up, the mode will return to pulse.

How to Use the PAUSE Button
(For PBX Line/Long Distance Calls)

We recommend you press **PAUSE/REDIAL** on the handset or **REDIAL/PAUSE** on the base unit if a pause is required for dialing with a PBX or to make a long distance call.

Ex. Line access number **9** (PBX)

9 ➡ **PAUSE/REDIAL** or **REDIAL/PAUSE** ➡ Phone number

- Pressing **PAUSE/REDIAL** or **REDIAL/PAUSE** once creates a 3.5 second pause. This prevents misdialing when you redial or dial a stored number.
- Pressing **PAUSE/REDIAL** or **REDIAL/PAUSE** more than once increases the length of the pause between numbers.

FLASH Button

Pressing **FLASH/CALL WAIT** also allows you to use special features of your host PBX such as transferring an extension call or accessing special telephone services (optional) such as call waiting.

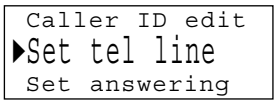
- Pressing **FLASH/CALL WAIT** causes to disable the Temporary Tone Dialing mode or the mute (p. 60).

Selecting the flash time

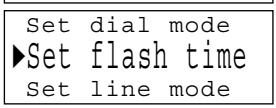
The flash time depends on your telephone exchange or host PBX.
You can select the following flash times: "700, 600, 400, 300, 250, 110, 100 or 90 ms (milliseconds)". Your phone comes from the factory set to "700 ms".
Make sure the base unit and the handset are not being used.

1 Press **CONF/FUNCTION**, and scroll to "`Initial setting`" by pressing ▼ or ▲, and press ►.

2 Scroll to "`Set tel line`" by pressing ▼ or ▲, and press ►.

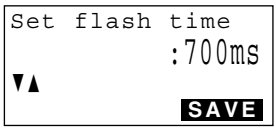


3 Scroll to "`Set flash time`" by pressing ▼ or ▲, and press ►.
- The current setting is displayed.



4 Select the desired time by pressing ▼ or ▲.

5 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.



- If the unit is connected via a PBX, PBX functions (transferring a call etc.) might not work correctly. Consult your PBX supplier for the correct setting.

Ringer Tone

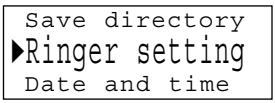
You can select the handset or the base unit ringer tone out of 6 patterns for external calls. When an external call is being received, the handset and base unit ring in the selected tone. Your phone comes from the factory set to “1”.

Handset

Make sure the handset is not being used.

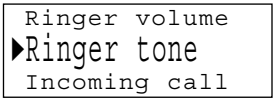
1 Press **CONF/FUNCTION**.

2 Scroll to “Ringer setting” by pressing ▼ or ▲, and press ►.



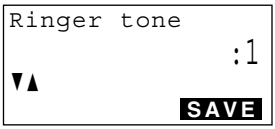
3 Scroll to “Ringer tone” by pressing ▼ or ▲, and press ►.

•The current setting will be displayed.



4 Select the desired ringer tone by pressing ▼ or ▲.

•Each time you press ▼ or ▲, the tone will change and ring. If the ringer volume has been set to OFF, the handset will not ring (p. 19).



•You can also select the ringer tone by pressing dialing buttons 1 to 6.

5 Press the right soft key (**SAVE**).

•A beep sounds.

•To exit the programming mode, press **OFF**.

•You can exit the programming mode any time by pressing **OFF**.

Base unit

Make sure the base unit is not being used.

1 Press **RINGER/AUTO**.

•The base unit rings at the current setting.

2 Within 5 seconds, select the desired ringer tone by pressing ► or ◄.

•Each time you press ► or ◄, the ringer tone will change and ring.

•You can also select the ringer tone by pressing dialing buttons 1 to 6.

•You cannot change the ringer tone for internal calls.

Incoming Call Tone

During an intercom call (p. 49) or while using the Room Monitor feature (p. 56) or while listening to messages (p. 67, 71), you can be informed by two tones if a call arrives. If you set to ON, this incoming call tone will be heard for as long as the line rings. To delete the incoming call tone, set to OFF. To set the incoming call tone to sound twice, set to "2". Both the handset and base unit are preset to "2".

Handset incoming call tone

Make sure the handset is not being used.

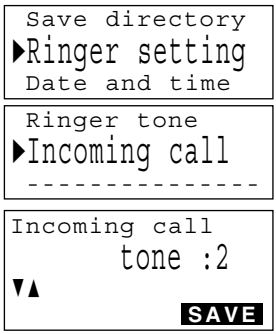
1 Press **CONF/FUNCTION**.

2 Scroll to "Ringer setting" by pressing ▼ or ▲, and press ►.

3 Scroll to "Incoming call" by pressing ▼ or ▲, and press ►.
- The current setting will be displayed.

4 Select the desired setting, "On", "Off" or "2", by pressing ▼ or ▲.

5 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.



Base unit incoming call tone

Use the handset. Make sure the base unit and the handset are not being used.

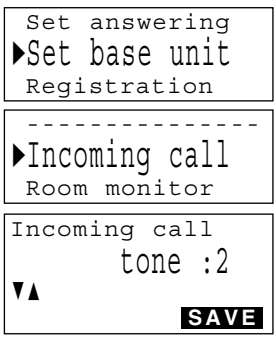
1 Press **CONF/FUNCTION**, and scroll to "Initial setting" by pressing ▼ or ▲, and press ►.

2 Scroll to "Set base unit" by pressing ▼ or ▲, and press ►.

3 Press ► at "Incoming call".
- The current setting will be displayed.

4 Select the desired setting, "On", "Off" or "2", by pressing ▼ or ▲.

5 Press the right soft key (**SAVE**).
- A beep sounds.
- To exit the programming mode, press **OFF**.



Mailbox Features

The system accommodates three voice mailboxes. You can share the mailboxes with other members of your family or office, in your convenience. Callers from touch tone phones can specify one of three mailboxes to leave a message there. If callers do not specify a mailbox or call from rotary telephones, messages will be recorded into Mailbox 1.

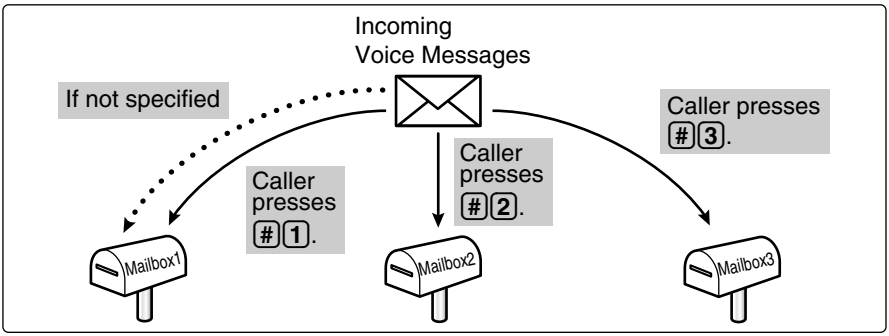
When a caller calls

The caller will hear a greeting message (p. 22) if the Answering System is on (p. 66).

– Callers can specify a mailbox by pressing #1 (Mailbox 1), #2 (Mailbox 2) or #3 (Mailbox 3) while or after hearing the greeting message. They will then hear "Please leave your message", and they can start recording a message.

•If you want to make callers leave messages in a specific mailbox, we recommend you record a greeting message such as: "Hello, this is (your name and/or number). Sorry we cannot take your call. If you have a message, for John press # and 1, for Jane press # and 2, for Jack press # and 3. Or just stay on the line and leave a message after the beep. Thank you."

– Callers wait until the greeting ends, then they can leave a message. The message will be automatically recorded into Mailbox 1.



•All messages (greeting, incoming, memo) are stored in digital memory of the base unit.
•The total recording time is **about 15 minutes**. If messages are recorded in noisy rooms, the time may be shortened by up to 3 minutes.
•To select the caller's recording time, see page 24.
•A maximum of 64 messages (including the greeting message and memo messages) can be recorded.

Useful information:

•You can leave a memo message for other users in a mailbox with the base unit (p. 69).
•You can transfer a call to one of the mailboxes, which callers can leave a message there (p. 70).
•If you want to prevent unauthorized people from accessing Mailbox 2 or 3 to listen to the messages, you can assign a password to each mailbox (p. 65).

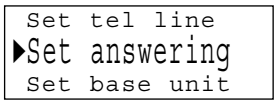
Setting the Mailbox Password (for Mailbox 2 and 3)

You can use Mailbox 2 or 3 for your personal mailbox, and prevent unauthorized people from accessing the mailbox and listening to the messages. Assign 2-digit password (00–99) to Mailbox 2 or 3. Each password and the remote code (p. 75) must be unique. Once the password is assigned to Mailbox 2 or 3, no one can access the mailbox to listen to messages without entering the password.

Make sure the base unit and the handset are not being used.

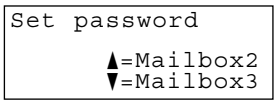
1 Press **CONF/FUNCTION**, and scroll to "Initial setting" by pressing ▼ or ▲, and press ►.

2 Scroll to "Set answering" by pressing ▼ or ▲, and press ►.



3 Scroll to "Set mailbox2&3" by pressing ▼ or ▲.

4 Press ►.



5 Select the mailbox by pressing ▲ (Mailbox 2) or ▼ (Mailbox 3).

- If the password has already been assigned to the mailbox, it is displayed.

6 Enter a password using **a 2-digit number (00–99)**.

- If you entered a wrong number, press **HOLD/CLEAR** and enter the password again.

7 Press the right soft key (**SAVE**).

- A beep sounds.
- If 3 beeps sound, you entered the same password as the other mailbox or the remote code (p. 75) or the entered password was one-digit. Start again from step 6 and select another password.
- To exit the programming mode, press **OFF**.

To check the password: Repeat steps 1 to 5.

- The password is displayed. When finished, press **OFF**.

To erase the password

Press **HOLD/CLEAR** in step 6, and press the right soft key (**SAVE**).

- You will be able to access the mailbox without entering the password.

To erase the password on the base unit (when you cannot use the handset):

If you cannot remember the password, you can retrieve messages from Mailbox 2 or 3 after erasing the password on the base unit. Please note that the following setting will return to the factory preset with the password.

1. Press **PROGRAM**.
2. Press **MUTE**.
3. Enter #90000.

Function	Factory preset
Dialing mode	Tone
Flash time	700ms
Line mode	A mode
Number of rings	4
Recording time	3 min.
Remote code	11
Base unit Incoming Call Tone	2
Base unit Room Monitor mode	off

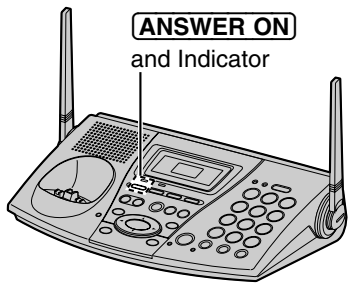
Automatic Answering Operation

The Answering System allows the unit to answer calls with a greeting message. Callers can then leave a message in a mailbox (p. 64).

Setting the Unit to Answer Calls

Press **ANSWER ON** to turn on the Answering System.

- The indicator lights and the unit announces "Answer set" and the current day and time.
- The unit will announce the remaining recording time if it is less than 5 minutes.
- If you hear "Memory full", "**FULL**" is displayed on the base unit and the ANSWER ON indicator flashes rapidly, erase some, or all, of the messages (p. 68).



- If you do not want the unit to answer calls, press **ANSWER ON** again to turn off the Answering System. The indicator light goes out and "Answer off" is heard.
- You can also turn on the Answering System remotely using any other phone (p. 78).
- If you turn the Answering System on with "◴" flashing, "◴" will disappear but the clock is still incorrect. Adjust the date and time (p. 21). If you subscribe to a Caller ID service (p. 34), the caller ID information will adjust the clock.

Monitoring incoming calls

While a call is being recorded, you can monitor it through the base unit speaker.

- To increase the speaker volume, press ▲. To decrease, press ▼.

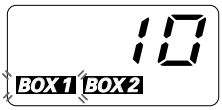
To answer the call with the base unit speakerphone, press **DIGITAL SP-PHONE**. For the handset, press ☎ or 🎤. The unit stops recording.

Listening to Messages

You can see the total number of recorded messages on the base unit display. If the ANSWER ON indicator flashes, new messages have been recorded. The mailbox icons (BOX 1, BOX 2 and BOX 3) which have new messages also flash on the base unit display.

- If only old messages exist in a mailbox, the mailbox icon will display but will not flash.

Ex. 10 messages exist;
Mailbox 1 has new messages;
Mailbox 2 has old messages;
Mailbox 3 has no messages.

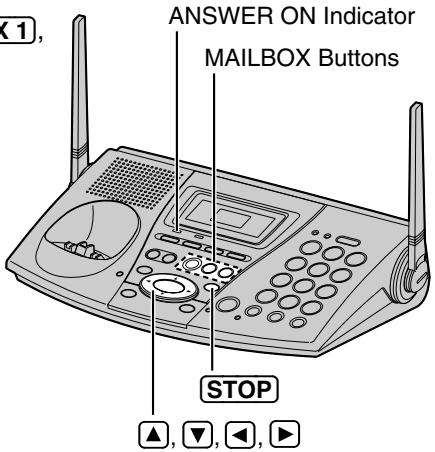


To listen to messages with the handset, see page 71.

To play back messages

Press the MAILBOX button ([MAILBOX 1], [MAILBOX 2] or [MAILBOX 3]).

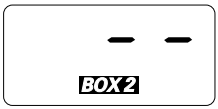
- The unit announces "Mailbox (No.)" and the number of new messages in the mailbox, and plays back the new messages.
- If old messages exist with new messages in the mailbox, only new messages will be played back.
- **When the mailbox has no new messages,** the unit announces "Mailbox (No.)" and "No new messages. All message playback", and plays back all messages in the mailbox.



When Mailbox 2 or 3 has the password:

1. Press [MAILBOX 2] or [MAILBOX 3].
   - "Enter Mailbox password" will be heard, and "- - " will be displayed.
2. Enter the Mailbox password (p. 65).
   - The unit announces "Mailbox (No.)" and the number of new messages in the mailbox, and plays back the new messages. If there are no new messages, all messages in the mailbox will be played back.

Ex. Mailbox 2



- During playback, the display shows the message number of the mailbox. (Ex. While the first message of the mailbox is being played back, "1" is displayed.)
- At the end of the last message of the mailbox, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 5 minutes.
- When the mailbox has no messages, the unit announces "Mailbox (No.)" and "No messages".

To adjust the speaker volume:
9 levels (0–8) are available during playback.
To increase, press ▲. To decrease, press ▼.

Slow Talk message playback

For easier listening of recorded messages, you can slow down the playback speed.

Press the MAILBOX button (**MAILBOX 1**, **MAILBOX 2** or **MAILBOX 3**) whose message is being played.

- The playback speed will slow down by 30%.
- To return to the normal speed, press the MAILBOX button again during playback.
- Each time you press the MAILBOX button during playback, the playback speed will change to slow/normal.
- The playback speed will return to normal after you finish listening to messages.

During playback

To **repeat** message	Press ◄. •If you press within 5 seconds of playback, the previous message will be played.
To **skip** message	Press ►.
To **stop** operation	Press **STOP**. •To resume playback, press the MAILBOX button (**MAILBOX 1**, **MAILBOX 2** or **MAILBOX 3**) whose message is being played. •If you do not press any button for 60 seconds or if you press **STOP** again, the playback mode will be canceled.

Erasing Messages

The unit will announce the remaining recording time after playback, if it is less than 5 minutes. New messages cannot be recorded when:
—"Memory full" is heard.
—"**FULL**" is displayed on the base unit.
—the ANSWER ON indicator flashes rapidly (only when the Answering System is on).
Erase some, or all, of the messages. We recommend you erase unnecessary messages after each playback.

Erasing a specific message

Press **ERASE** while the message you want to erase is being played (p. 67).

- A short beep will sound and the message will be erased.
- The unit will continue to play the next message.

Erasing all messages in the mailbox

All of the recorded messages in the desired mailbox can be erased at one time.

1 Press **ERASE** while the base unit is not being used.
- "To erase all messages, please select Mailbox" is heard.

2 Within 5 seconds, press the MAILBOX button (**MAILBOX 1**, **MAILBOX 2** or **MAILBOX 3**).
- If the Mailbox 2 or 3 has the password, enter it (p. 65).
- A long beep sounds and "Mailbox (No.)" and "No messages" are heard.

Recording a Memo Message

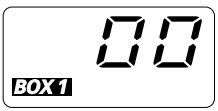
You can record your own voice memo message of up to 3 minutes, in the desired mailbox for other users or yourself.

1 Press **MEMO**.
- "Please select Mailbox" is heard.

2 Within 5 seconds, press a mailbox button (**MAILBOX 1**, **MAILBOX 2** or **MAILBOX 3**).

3 After a long beep, talk clearly approximately 20 cm (8 inches) away from the **MIC**.
- The base unit display shows the elapsed recording time.
- If you record for over 3 minutes, the unit will stop recording.

Ex. Mailbox 1 is selected.



4 When finished, press **MEMO** or **STOP**.
- A beep sounds.
- If "E" displays, 6 beeps sound and "Your message was not recorded. Record your message again." is announced, start again from step 1.

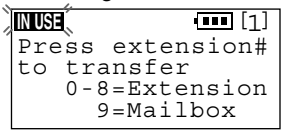
- If "Memory full" and 6 beeps are heard, the unit will exit recording mode. Erase some, or all, of the messages (see this page) and try again from step 1.
- When the memo message is played back with the handset, the handset display will show the message number of the mailbox and caller information will not be displayed (p. 72).

Transferring a Call to a Mailbox

When you answered a call, and the caller wants to talk to someone who the caller knows is not available, you can place the caller into one of the mailboxes, where the caller can leave a message.
The following is how calls must be transferred to a mailbox:
After you answered a call, you may announce that person the caller wishes to speak to is not available, and remind the caller to press the # sign and the mailbox number if necessary.

1 You may remind the caller to press the # sign and the mailbox number if necessary, and press [HOLD] **(TRANSFER)** on the handset or press [LOCATOR/INTERCOM/TRANSFER] on the base unit.

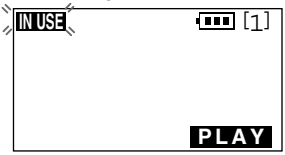
Ex. Using Handset



- The call is put on hold and the IN USE indicator flashes on the base unit.

2 Press [9] to hang up the call.

Ex. Using Handset



After you press [9] :

The caller will then hear the greeting message (p. 22), and while that message is playing the caller can press [#][1] (Mailbox 1), [#][2] (Mailbox 2) or [#][3] (Mailbox 3). After that the caller will hear "Please leave your message". The caller can leave a message in the mailbox.
OR
If the caller does not specify the mailbox, the caller can leave a message in Mailbox 1 after the greeting message.

- Even if you subscribed to a Caller ID service (p. 34), caller information will not display while the message that the caller left is being played on the handset. The caller information will be recorded in the Caller List (p. 35) if the transferred call is an in-coming call.

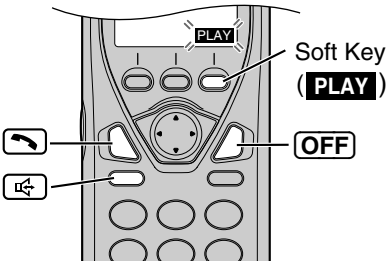
Interrupting remote operation (p. 74)

If a user is accessing a mailbox from a remote location, and you mistakenly answer the call;

1. Press [HOLD] **(TRANSFER)** on the handset or [LOCATOR/INTERCOM/TRANSFER] on the base unit.
2. Press [9].
   The user can then access a mailbox, by entering the remote code or the mailbox password (see "Remote Operation from a Touch Tone Phone", p. 74).

Remote Operation with the Handset ➡

You can access the mailboxes from your handset and listen to messages. If "**PLAY**" flashes on the handset, there are new messages in the mailboxes. Concerning new message indications on the base unit, see page 67.

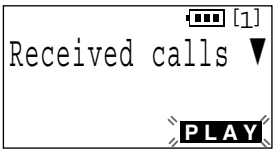


To listen to messages

1 Press the right soft key (**PLAY**).

- A beep sounds and "Please select Mailbox" will be heard from the speaker. To switch to the receiver, press [ ]. To switch back to the speaker, press [ ].
- The mailboxes that have new messages will flash.

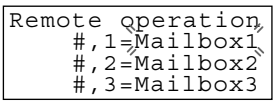
Ex. New messages exist.



2 Press [#][1] (Mailbox 1), [#][2] (Mailbox 2) or [#][3] (Mailbox 3).

- If "Enter Mailbox password" is announced and displayed, Mailbox 2 or 3 has the password. Enter the password (p. 65).
- "Mailbox (No.)" and the number of new messages will be announced, and new messages will be played.
- **To play all messages** in the mailbox, press [5].
- You can enter the desired **direct commands** for other functions (p. 73).
- If you do not enter a command, the voice menu will start (p. 72).

Ex. Mailbox 1 has new messages.



3 To end remote operation, press [OFF].

- To adjust the speaker or receiver volume, press [▲] to increase and press [▼] to decrease.
- If you do not select a mailbox in step 2, the number of new messages in Mailbox 1 will be announced, and new messages will be played.

Voice menu

If no commands are entered after you listened to new messages in the mailbox and heard "End of final message", the handset will start the following voice menu.

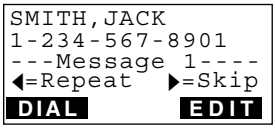
"Press 4 to play back new messages. Press 5 to play back all messages."

- You can enter direct commands even if the voice menu has started.

- You can switch to another mailbox by pressing # and the mailbox number (1 to 3) during the remote operation.
- The unit will announce the remaining recording time after playback, if it is less than 5 minutes.
- If a call is being received during the remote operation, you will hear incoming call tones (p. 63). To answer the call, press or .
- If you hear "Memory full" after playback, erase some, or all, of the messages (p. 73).

For Caller ID service users (p. 34)

During playback, the display shows the name and/or number of the caller whose message is being played.



To call back the displayed number:
Press the left soft key (DIAL) while the number is displayed.

- The handset stops playback and automatically dials the phone number.
- If you need to edit the phone number to call back, press the right soft key (EDIT) until the desired edit pattern displays. The number will be edited to one of three patterns (p. 37). You can then call back the caller.

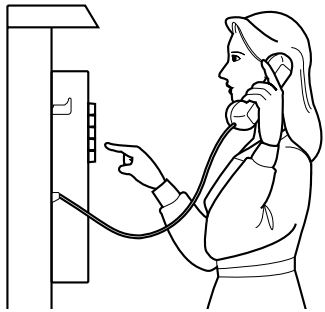
Direct commands

NEW MESSAGE PLAYBACK	4	•Only new messages are played back.
ALL MESSAGE PLAYBACK	5	•All messages are played back.
REPEAT (During playback)	1	•The current message is repeated. •If you press within 5 seconds of playback, the previous message will be played. •You can also press ◄ to repeat a message.
SKIP (During playback)	2	•The current message is skipped. The next message is played. •You can also press ► to skip a message.
CHANGING PLAYBACK SPEED (During playback)	3	•Each time you press the button, the playback speed will change to slow/normal. "slow" will display for the slow speed.
STOP	9	•Operation is stopped temporarily. •To resume operation, enter a direct command within 15 seconds, or the voice menu will start (p. 72).
ERASING A SPECIFIC MESSAGE (During playback)	* 4	•The current message is erased. •A short beep will sound and the next message will be played.
ERASING ALL MESSAGES	* 5	•All recorded messages in the mailbox are erased. •A long beep sounds, and "Mailbox (No.)" and "No messages" are heard.
SELECTING ANOTHER MAILBOX	# 1	•Mailbox 1 is selected and the number of new messages is heard.
	# 2	•If Mailbox 2 has the password (p. 65), enter it. Mailbox 2 is selected and the number of new messages is heard.
	# 3	•If Mailbox 3 has the password (p. 65), enter it. Mailbox 3 is selected and the number of new messages is heard.

Remote Operation from a Touch Tone Phone

You can operate the Answering System from any touch tone phone. A synthesized voice menu will guide you on how to operate the unit (p. 76).

- To skip the voice menu and operate the unit directly, see page 77.



Summary of remote operation

Call your unit from a touch tone phone.

To access Mailbox 1, enter the remote code (p. 75) during or after the greeting message.

- "Mailbox 1" and the number of new messages of Mailbox 1 are heard, and the new messages will be played.*

If Mailbox 2 or 3 has the password (p. 65);
To access Mailbox 2 or 3, enter the password during or after the greeting message.

- "Mailbox 2 or 3" and the number of new messages of the mailbox are heard, and the new messages will be played.*

After 3 seconds, the voice menu will start (p. 76).
Follow the menu or enter the direct commands (p. 77).

To end remote operation, hang up.
OR
To listen to messages in another mailbox, press #1 (Mailbox 1), #2 (Mailbox 2) or #3 (Mailbox 3).

- If you hear "Enter Mailbox password", Mailbox 2 or 3 has the password (p. 65). Enter the password.

- The unit will announce the remaining recording time after playback, if it is less than 5 minutes.
- The messages are saved.

* If "No new messages" is heard, the mailbox has only old messages. If "No messages" is heard, the mailbox has no messages.

Remote Code

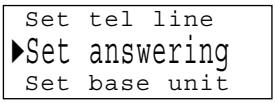
The remote code prevents unauthorized people from accessing your unit and listening to your messages. Choose any **2-digit number (00–99)**. The factory preset remote code is "**11**". If you do not program your own remote code, you can use "11".

Make sure the base unit and the handset are not being used.

1 Press **CONF/FUNCTION**.

2 Scroll to "Initial setting" by pressing ▼ or ▲, and press ►

3 Scroll to "Set answering" by pressing ▼ or ▲, press ►.



4 Scroll to "Remote code" by pressing ▼ or ▲.

5 Press ►.
- The current setting is displayed.

6 Enter a remote code using a **2-digit number (00–99)**.

7 Press the right soft key (**SAVE**).
- A beep sounds.
- If 3 beeps sound, the entered remote code is the same as the password (p. 65). Start again from step 6 and select another code.
- To exit the programming mode, press **OFF**.

- You can exit the programming mode any time by pressing **OFF**.

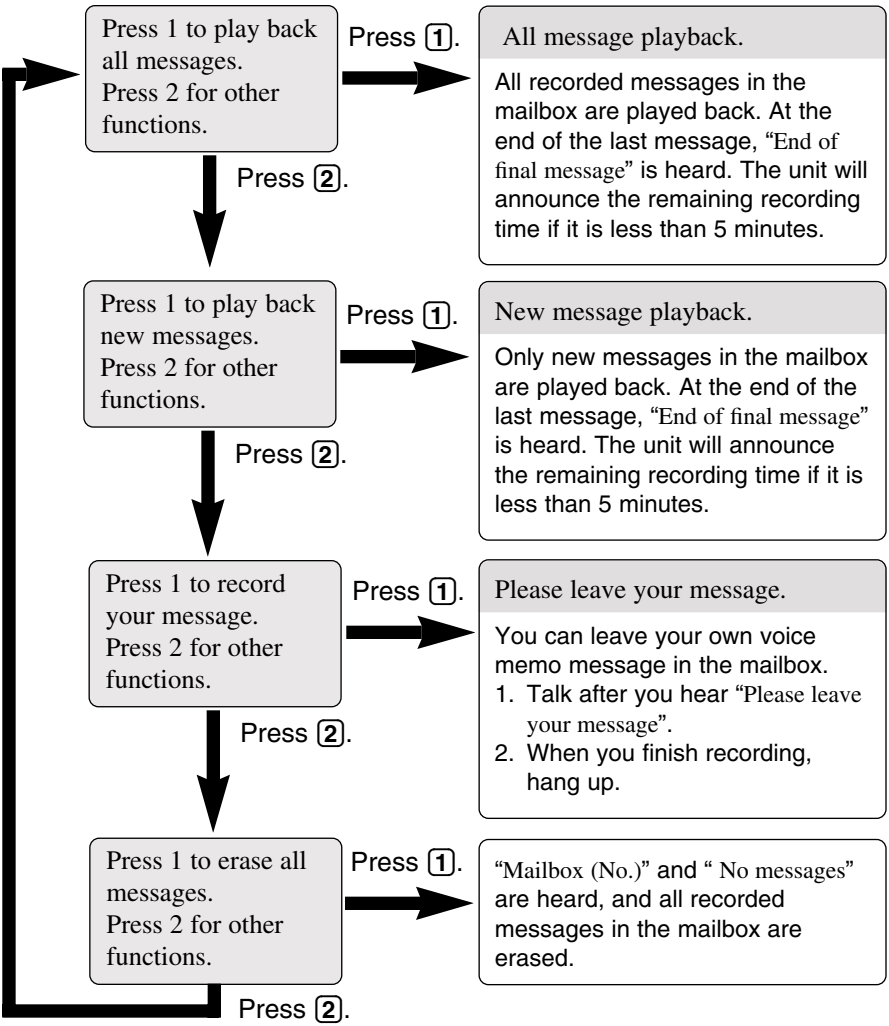
To check the remote code

Repeat steps 1 to 5.

- The remote code is displayed. When finished, press **OFF**.

Voice Menu

The shaded parts are voice prompts.


Press 1 to play back all messages. Press 2 for other functions.
Press 1.
All message playback.
All recorded messages in the mailbox are played back. At the end of the last message, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 5 minutes.
Press 2.
Press 1 to play back new messages. Press 2 for other functions.
Press 1.
New message playback.
Only new messages in the mailbox are played back. At the end of the last message, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 5 minutes.
Press 2.
Press 1 to record your message. Press 2 for other functions.
Press 1.
Please leave your message.
You can leave your own voice memo message in the mailbox.
1. Talk after you hear "Please leave your message".
2. When you finish recording, hang up.
Press 2.
Press 1 to erase all messages. Press 2 for other functions.
Press 1.
"Mailbox (No.)" and " No messages" are heard, and all recorded messages in the mailbox are erased.
Press 2.

- 3 seconds after playback, the voice menu will start again from the beginning.
- If you hear "Memory full" after playback, erase some, or all, of the messages (p. 77).
- To switch to another mailbox to listen to messages, press [#] and the mailbox number ([1] to [3]) during the remote operation. If you hear "Enter Mailbox password", Mailbox 2 or 3 has the password (p. 65). Enter the password.

Direct Remote Operation

Once you have accessed one of the mailboxes (p. 74), you can also control your unit by direct commands instead of using the voice menu. To end the remote operation, hang up anytime.

Direct commands

NEW MESSAGE PLAYBACK	4	•Only new messages are played back.
ALL MESSAGE PLAYBACK	5	•All messages are played back.
REPEAT (During playback)	1	•The current message is repeated. •If you press within 5 seconds of playback, the previous message will be played.
SKIP (During playback)	2	•The current message is skipped. The next message is played.
CHANGING PLAYBACK SPEED (During playback)	3	•Each time you press the button, the playback speed will change to slow/normal.
STOP	9	•Operation is stopped temporarily. •To resume operation, enter a direct command within 15 seconds, or the voice menu will start (p. 76).
ERASING A SPECIFIC MESSAGE (During playback)	✱ 4	•The current message is erased. •A short beep will sound and the next message will be played.
ERASING ALL MESSAGES	✱ 5	•All recorded messages in the mailbox are erased. •A long beep sounds, and "Mailbox (No.)" and "No messages" are heard.
ANSWERING SYSTEM OFF	0	•The unit hangs up and will not answer calls until turned on again (p. 66, 78).

(Continued ➡)

SELECTING ANOTHER MAILBOX	# 1	•Mailbox 1 is selected and the number of new messages is heard.
	# 2	•If Mailbox 2 has the password (p. 65), enter it. Mailbox 2 is selected and the number of new messages is heard.
	# 3	•If Mailbox 3 has the password (p. 65), enter it. Mailbox 3 is selected and the number of new messages is heard.

Turning on the Answering System

Call your unit and wait for 15 rings.

- The unit will answer and the greeting message will be played.
- The Answering System will turn on. Hang up or enter the remote code for other options.
- When turning on the Answering System using a rotary or pulse service telephone, you cannot enter the remote code for other options.

Skipping the greeting message

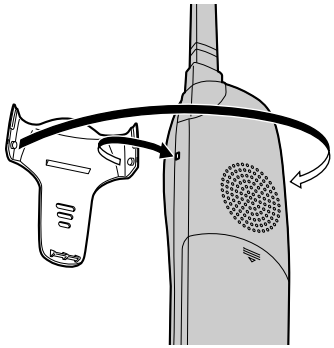
After calling your unit, press ✱ during the greeting message.

- The unit skips the rest of the greeting message and you can start recording your message after the long beep.

Belt Clip

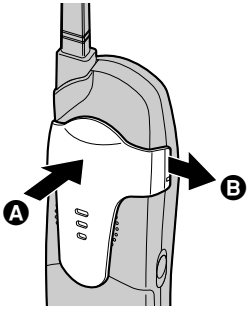
You can hang the handset on your belt or pocket using the belt clip.

To attach the belt clip



To remove the belt clip

While pressing the top of the clip (Ⓐ), pull the right edge in the direction of the arrow (Ⓑ).

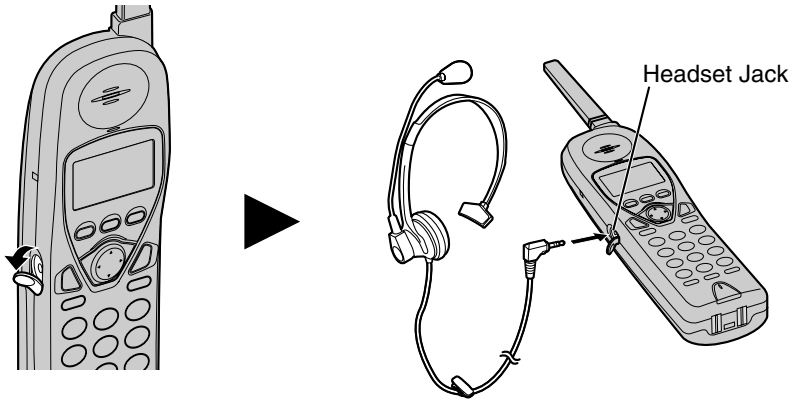


Optional Headset

Plugging the optional headset into the handset allows a hands-free phone conversation. Please use only the Panasonic KX-TCA88 headset. To order, call the accessories telephone number on page 2.

Connecting the optional headset to the handset

Open the headset jack cover, and connect the optional headset to the headset jack as shown below.

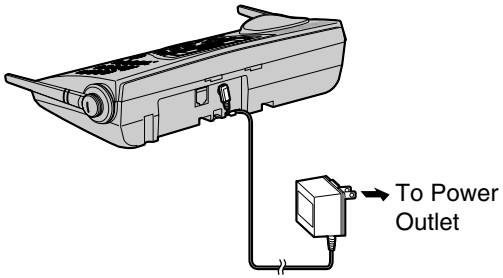


To switch to the speakerphone while using the headset:
Press [SP-PHONE]. To return to the headset, press [OFF].

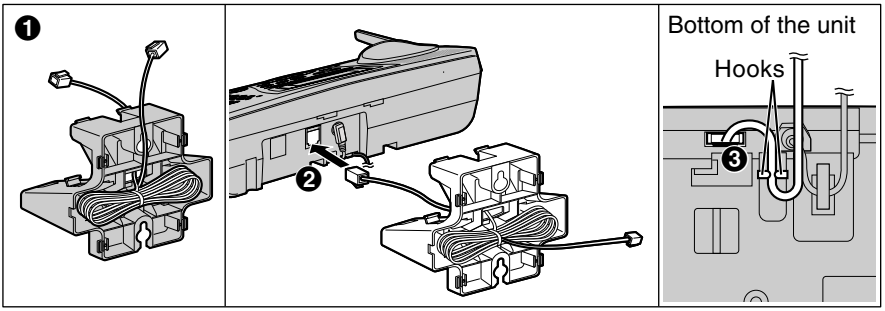
Wall Mounting

This unit can be mounted on a wall phone plate.

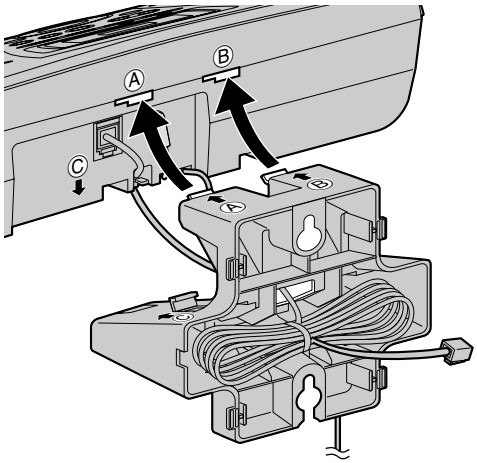
1 Connect the AC adaptor.



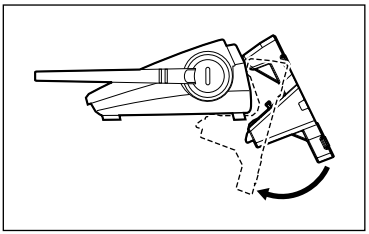
2 Tuck the telephone line cord inside the wall mounting adaptor (❶). Connect the telephone line cord (❷). Fasten the telephone line cord to prevent it from being disconnected (❸).

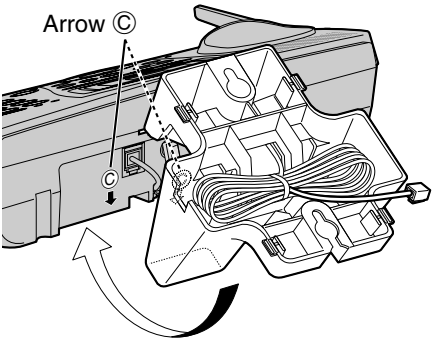


3 Insert Ⓐ and Ⓑ hooks on the wall mounting adaptor into the holes on the base unit.

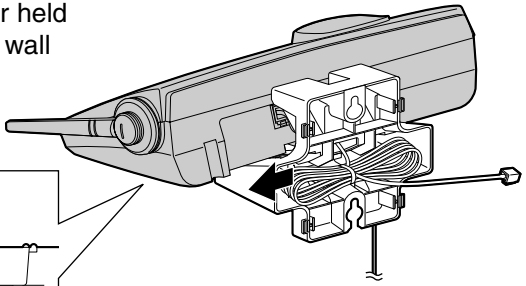


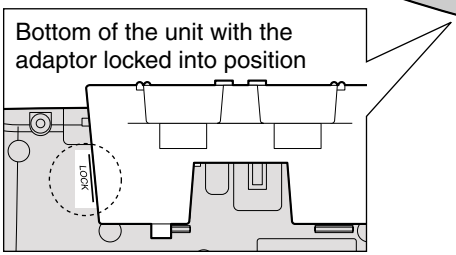
4 Adjust the adaptor to hold the base unit, aligning the arrow Ⓒ on the base unit with the adaptor.





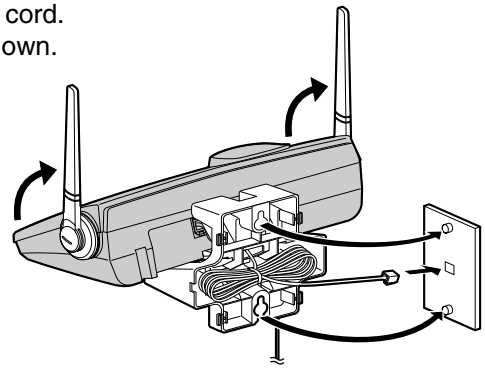
5 While keeping the adaptor held to the base unit, slide the wall mounting adaptor to the left until it clicks into place.





6 Connect the telephone line cord. Mount the unit, then slide down.

•Raise the antennas.



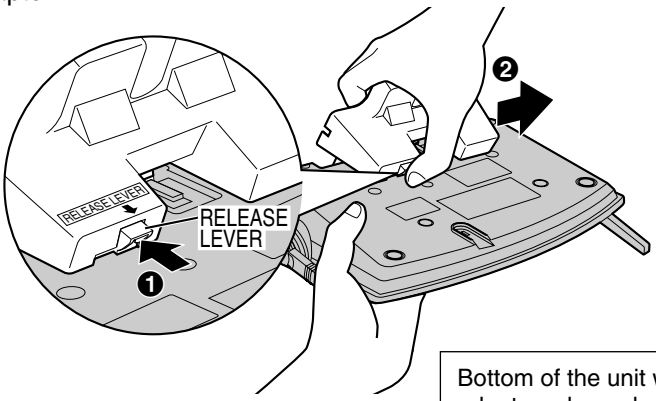
7 **To charge the handset battery:**
Place the handset on the base unit.

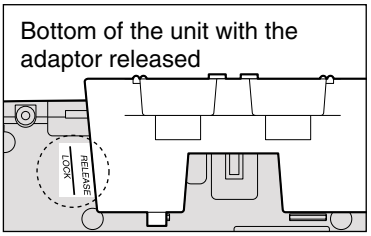
•The CHARGE indicator lights.

Wall Mounting

To remove the wall mounting adaptor

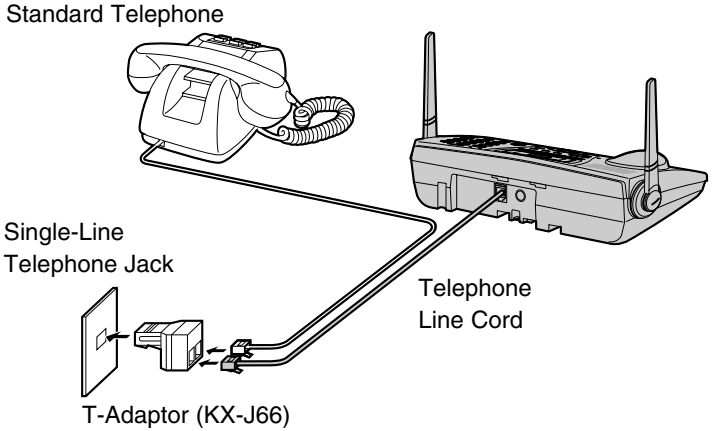
Push up the RELEASE LEVER (❶) with your thumb and slide the adaptor to the right (❷) with the tab kept up to release the lock. Remove the adaptor.





Adding Another Phone

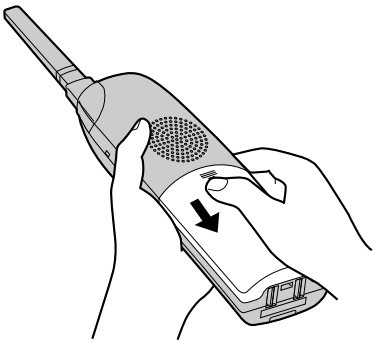
This unit will not function during a power failure. To connect a standard telephone on the same line, use the Panasonic T-adaptor KX-J66. To order, call the accessories telephone number on page 2.



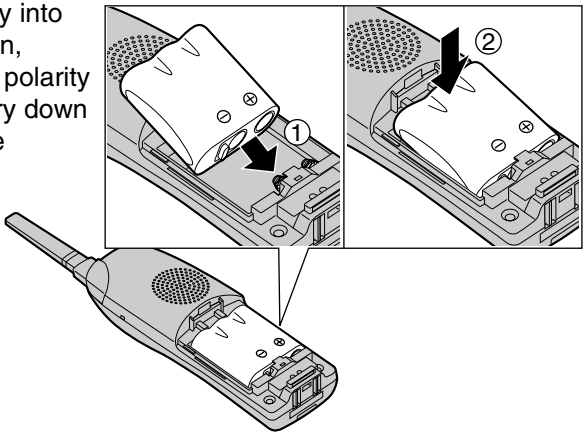
Battery Replacement

Battery will need to be replaced, even if you cleaned the charge contacts and charged the battery fully, but after a few telephone calls, "Recharge battery" is displayed and/or "▪▭" continues to flash, or "Charge for 15HRS" and "▭" are displayed. Please order a new Panasonic PQPP511SVC (P-P511) battery at the telephone number shown on page 2.

1 Press the notch on the handset cover firmly and slide it as indicated by the arrow.



2 Remove the old battery. Insert the new battery into the handset as shown, matching the correct polarity (①). Press the battery down until it places into the compartment (②).



3 Close the cover. Make sure you charge the new battery for about 15 hours in order to display the battery strength prompt correctly (p. 12).

A nickel cadmium battery that is recyclable powers the product you have purchased. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY for information on how to recycle this battery.

Canceling Registration/Re-registration

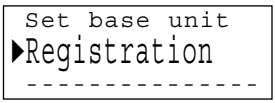
Canceling the Handset Registration

If you no longer need to use the handset or if you need to register the handset to a different base unit of the same model, it may be necessary to cancel the registration.
Only one handset can be canceled at a time near the base unit.
Make sure the handset and the base unit are not being used.

1 Press **CONF/FUNCTION**.

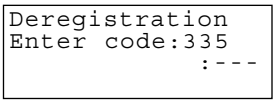
2 Scroll to "Initial setting" by pressing ▼ or ▲, and press ►.

3 Scroll to "Registration" by pressing ▼ or ▲, and press ►.

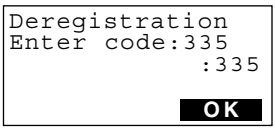


4 Scroll to "Deregistration" by pressing ▼ or ▲.

5 Press ►.

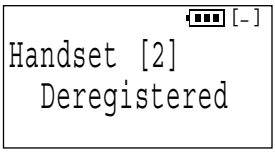


6 Press 3 3 5 (DEL.) to delete the registration memory.
- If you make a mistake, press **HOLD/CLEAR**, and enter "335".



7 Press the right soft key (**OK**).
- A beep sounds and the registration memory will be erased on both the handset and the base unit.
- If 3 beeps sound, you entered a wrong code. The display will return to step 6. Enter "335".
- To register the handset to another base unit of the same model, start from step 5 on page 85 or see page 26.

Ex. Extension number 2



- "[-]" is shown on the top right of the display.
- You can exit the programming mode any time by pressing **OFF**.
- The handset will not work. To use it again, registration will be required (p. 26, 85).

Re-registering the Handset

If you want to re-register the handset to the base unit or a different base unit of the same model, you need to register it to that base unit. The handset will be given a new extension number of that base unit. Only one handset can be registered at a time. **Make sure the base unit and the other handsets are not being used. Registration must be completed within 1 minute.**

If you have canceled the handset registration at the previous base unit (p. 84), start from step 5.

1 **Handset:** Press **CONF/FUNCTION**.

2 Scroll to "Initial setting" by pressing ▼ or ▲, and press ►.

3 Scroll to "Registration" by pressing ▼ or ▲, and press ►.

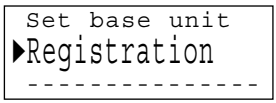
4 Press ► at "HS registration".

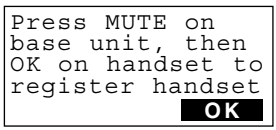
5 **Base unit:**
Press **MUTE**.
- The MUTE indicator light flashes.

6 **Handset:**
①Press the right soft key (**OK**).

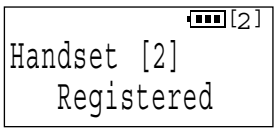
②Wait until a long beep sounds and the display shows the registered number. The registration will be then complete.

- The registered number "[1]" to "[8]" is shown on the top right of the display.
- You can stop registration by pressing **OFF** on the handset and pressing **MUTE** on the base unit.





Ex. Extension number 2



If you have not canceled the handset registration at the previous base unit (p. 84), the handset number still remains on that base unit memory. To erase the handset number from the previous base unit, see the base unit Operating Instructions. For KX-TG2730S base unit: (1) press **PROGRAM**, (2) press **MUTE**, (3) enter "335#", and (4) enter that handset number (**1** to **8**).

If the Following Appear...

If the unit detects a problem, one of the following messages will be displayed on the handset. Error beeps or a busy tone will sound.

Display message	Cause & Remedy
Recharge battery	The battery needs to be charged. Recharge the battery (p. 13).
Charge for 15HRS	The battery has been discharged. The handset will not work. Charge the battery fully (p. 13).
No link to base. Walk closer to base and try again.	The handset has lost communication with the base unit. Walk closer to the base unit, and try again.
Busy	• The called handset/base unit is in use. • The handset you tried to send directory items to is in use. • The handset you are calling is too far from the base unit. • The Privacy mode is on for the call you tried to join (p. 55).
Invalid	• The called handset has not been registered to the base unit or you selected your extension number. • You pressed [9] instead of entering an extension number ([0] to [8]) to call.
Error!!	• When you tried to register or deregister the handset, the handset and the base unit could not link for some reason, such as interference from other electrical appliances. Take the handset and the base unit away from the electrical appliances and try again. • If more than one handset is in use, you may not be able to register/deregister. Try again later. • Another handset tried to send the directory items but the transfer has been stopped (p. 47, 48).
Directory Full	When trying to store an item in the directory, the directory memory is full. To erase other items from the directory, see page 46.

Display message	Cause & Remedy
System is busy. Please try again later.	• If the radio communication between the handset and the base unit is partially impaired, this display will be shown. • If more than one unit is in use, such as conducting an external/internal call or listening to messages, you may not be able to use another unit. Try again later. • If 2 other users are listening to messages, or another user is listening to messages while the Answering System is responding to a call, you cannot access a mailbox.
---Incomplete--- Tom Jones 098-765-4321 Directory full (The name/number is an example.)	• When the displayed item is being sent to the destination handset, the directory memory is full. The transfer is stopped. If you tried to send all of the items, the item displayed with "---Incomplete---" and items after it have not been transferred to the destination handset. You can press **OFF** to exit the mode (p. 47, 48). To erase other stored items from the destination handset directory, see page 46. You can send all of the items again or send the items which have not been transferred one by one (p. 47, 48). • If the transfer is stopped for another reason, "Directory full" will not display, for example: – the destination handset may be out of area, or – the destination handset user may press or .
Directory No items stored	Although you tried to send your directory items to another handset, your directory is empty.
Denied	• When you call the handset or base unit to monitor, the Room Monitor mode of the destination unit is set to OFF (p. 56). • The called handset is on the base unit. The handset must be off the base unit to be monitored.

If the Following Appear...

Display message	Cause & Remedy
Not found 2Way radio mode	When you tried to call another handset in the 2-Way Radio mode; – the handset is too far from your handset. Walk closer to the handset. – 2-Way Radio mode on the handset is off (p. 58). – The called handset is talking with another handset in the 2-Way Radio mode.
Invalid. Please register to the base unit	The handset you tried to make a call has not been registered to the base unit. Register it (p. 26, 85).
Error!! 8 handsets have already been registered.	• 8 handsets have already been registered to the base unit. To cancel another handset registration, see page 84. • This base unit has the memory of the handset currently registered to another base unit. Erase the handset memory from the base unit. For KX-TG2730S base unit: (1) Press **PROGRAM**, (2) Press **MUTE**, (3) Enter “335#” and (4) Enter that handset number (1 to 8).

Troubleshooting

Cordless Telephone

Problem	Cause & Remedy
"No link to base. Walk closer to base and try again." is displayed and an alarm tone sounds.	•You are too far from the base unit. Walk closer to the base unit and try again. •Plug in the AC adaptor. •Raise the base unit antennas.
Static, sound cuts in/out, fades. Interference from other electrical units.	•Locate the handset and the base unit away from other electrical appliances (p. 3). •Walk closer to the base unit. •Raise the base unit antennas. •Press ◄ on the handset to turn on the Reception Booster feature (p. 29).
The handset and/or the base unit does not ring.	•The ringer volume is OFF. Set to HIGH or MEDIUM or LOW (p. 19, 59). •If more than one other user is using the handsets and base unit, the handset/base unit may not ring. Those users will hear incoming call tones (p. 63) and the IN USE indicator flashes quickly on the base unit.
The handset display is blank.	•Charge the battery fully (p. 12).
You cannot store a name and phone number in the directory.	•You cannot store an item in the directory while the handset is in the talk, speakerphone, intercom or Room Monitor mode, 2-Way Radio mode or in the remote operation mode. •Do not pause for over 60 seconds while storing.
While programming or searching, the handset starts to ring and stops the program/search.	•To answer the call, press ☎ or 🎤. Start again from the beginning after hanging up.
You cannot make an internal/external call with the handset.	•You cannot make a call when the handset is in the remote operation mode. Exit the mode by pressing OFF (p. 71). •If the 2-Way Radio mode is on, turn it off (p. 58).

Problem	Cause & Remedy
You cannot make a call even if the line is free.	•If more than one other user is using the handsets and base unit, you may not be able to make a call. Try again later.
The unit does not display the caller's name and/or phone number.	•You need to subscribe to a Caller ID service. •Other telephone equipment may be interfering with your phone. Disconnect it and try again. •Other electrical appliances connected to the same outlet may be interfering with the Caller ID information. •Telephone line noise may be affecting the Caller ID information. •The caller requested not to send his/her information. See page 34. •If a call is being transferred to you, the caller information will not be displayed.
The handset display exits the Caller List.	•Do not pause for over 60 seconds while searching.
You cannot page the handset or base unit.	•The called handset is too far from the base unit. •The called unit is in use. Try again later. •If more than one other user is using the handsets and base unit, you may not be able to page. Try again later.
You cannot redial by pressing **PAUSE/REDIAL** on the handset or **REDIAL/PAUSE** on the base unit.	•If the last number dialed was more than 32 digits long, the number will not be redialed correctly. •The button has a double function as either redial or pause. It will redial the last number dialed if pressed at the outset of a call (p. 29, 32). If another number has been dialed first, it will operate as a pause button (p. 61).
You cannot have a conversation or listening to messages using the headset.	•Make sure that an optional headset is connected properly (p. 79). •If "SP-phone" or "**SP**" is displayed on the handset, press ☎ to switch to the headset.

Answering System

Problem	Cause & Remedy
The Answering System is on, but incoming messages are not recorded.	•The recording time is set to “Greeting only”. Select “1 minute”, “2 minutes” or “3 minutes” (p. 24). •Memory is full. Erase some, or all, of the messages (p. 69).
“**FULL**” is displayed and the ANSWER ON indicator flashes rapidly, and no new messages are recorded.	•Memory is full. Erase some, or all, of the messages (p. 69).
You cannot access a mailbox from the base unit or the handset.	•If more than one other user is using the handsets and base unit, you may not be able to access the mailboxes. Try again later. •If 2 other users are listening to messages in the mailboxes, you cannot access a mailbox. Try again later. •If the Answering System is responding to a call and another user is listening to messages in a mailbox, you cannot access a mailbox. Try again later. •Your handset is too far from the base unit. Walk closer to the base unit.
You cannot access a mailbox from a touch tone phone.	•Make sure you enter the correct remote code (p. 75). •If “Enter Mailbox password” is heard, Mailbox 2 or 3 has the password. Enter the password (p. 65). •The Answering System may not respond if the tones are too short to activate the unit. Press each button firmly. •The Answering System is off. Turn it on (p. 78).
While recording a greeting message, the IN USE indicator flashes quickly on the base unit.	•To answer the call, press [DIGITAL SP-PHONE]. Start again from the beginning after hanging up.
During playback, incoming call tones are heard.	•To answer the call, if you are using the base unit, press [DIGITAL SP-PHONE]. If you are using the handset, press [ ] or [ ]. For playback, start again from the beginning after hanging up.

Problem	Cause & Remedy
You cannot erase messages in the mailbox.	•While another user is accessing the mailbox or a caller is leaving a message in the mailbox, you cannot erase messages in the same mailbox.
When you play back messages or you turn the Answering system on, the unit announces the wrong day.	•The date may be set wrong. Adjust the date (p. 21).
Caller ID information does not display during message playback (p. 72).	•The caller information will not be displayed – if a message is recorded by using MEMO (p. 69), – if a call is transferred to a mailbox, and the caller leaves a message (p. 70), or – if the Caller List is renewed and the caller information is erased (p. 34).

General

Problem	Cause & Remedy
The unit does not work.	•Check the settings (p. 11–13). •Check whether the dialing mode setting is correct (p. 16). •Charge the battery fully (p. 12). •Clean the charge contacts and charge again (p. 13). •Install the battery properly (p. 12). •Unplug the AC adaptor to reset. Plug in, and try again. •The handset has not been registered to the base unit. Register the handset (p. 26, 85). •Re-install the battery (p. 83) and charge it fully.
You cannot program items, such as the dialing mode.	•Programming is not possible while the handset is being used. •Do not pause for over 60 seconds while programming. •Walk closer to the base unit. •▼, ▲, ◄ or ► may have been pressed when you picked up the handset. Press OFF and try again. •If more than three other users are using the handsets, you may not be able to program. Try again later. •If the 2-Way Radio mode is on, turn it off (p. 58).

Problem	Cause & Remedy
You cannot register the handset at the base unit.	•Charge the battery fully (p. 12). •The maximum of 8 handsets have already been registered to the base unit. •This base unit has the memory of the handset currently registered to another base unit. Erase the handset memory from the base unit, see the base unit Operating Instructions. For KX-TG2730S base unit: (1) Press [**PROGRAM**], (2) Press [**MUTE**], (3) Enter "335#" and (4) Enter that handset number (1 to 8).
"Recharge battery" is displayed, " " flashes or the handset beeps intermittently.	•Charge the battery fully (p. 13).
"Charge for 15HRS" and " " are displayed and the handset does not work.	•The battery has been discharged. Charge the battery fully (p. 13).
You charged the battery fully, but "Recharge battery" is still displayed and/or " " continues to flash, or "Charge for 15HRS" and "" are displayed.	•Clean the charge contacts and charge again (p. 13). •Install a new battery (p. 83).
The CHARGE indicator light does not go out after the battery has been charged.	•This is normal.
If you cannot solve your problem	•Call our customer call center at 1-800-211-PANA(7262). •Panasonic's e-mail address for customer inquiries: consumerproducts@panasonic.com for customers in the USA or Puerto Rico ONLY

Important Safety Instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from AC outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, or the like.
5. Place this unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION:

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) specified.
2. Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

•The AC adaptor is used as the main disconnect device, ensure that the AC outlet is located/installed near the unit and is easily accessible.

FCC and Other Information

If requested by the telephone company, inform them as follows:
Registration No. .....(found on the bottom of the unit)
Ringer Equivalence 0.1B
The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line.
If you are on a party line, check with your local telephone company.

Ringer Equivalence No. (REN):
The REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

In the event terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped.

However, where prior notice is impractical, the company may temporarily cease service providing that they:
(a) Promptly notify the customer.
(b) Give the customer an opportunity to correct the problem with their equipment.
(c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities, equipment, operations or procedures, where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in 47 CFR Part 68.

If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

When programming emergency numbers and/or making test calls to emergency numbers:
1. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
2. Perform such activities in the off-peak hours, such as early morning hours or late evenings.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Privacy of communications may not be ensured when using this phone.

CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Note:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce, or eliminate, interference.

Operating near 2.4GHz electrical appliances may cause interference. Move away from the electrical appliances.

CAUTION:
To comply with FCC RF exposure requirements, the base unit should be installed with its antenna located at 20 cm or more from persons and handset should be carried with the specific belt-clip provided for the handset to ensure compliance. Other non-tested belt-clips or similar body-worn accessories may not comply, therefore, should be avoided.

A TIA/EIA-IS-968 compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack that is also TIA/EIA-IS-968 compliant.

This equipment is hearing aid compatible as defined by the FCC in 47 CFR Section 68.316.

When you hold the phone to your ear, noise might be heard in your Hearing Aid. Some Hearing Aids are not adequately shielded from external RF (radio frequency) energy. If noise occurs, use an optional headset accessory or the speakerphone option (if applicable) when using this phone. Consult with your audiologist or Hearing Aid manufacturer about the availability of Hearing Aids which provide adequate shielding to RF energy commonly emitted by digital devices.

- **Environment** — do not place the unit in a room where the temperature is less than 5°C (41°F) or greater than 40°C (104°F). Allow 10 cm (4") clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
- **Medical** — consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2400MHz to 2480MHz, and the power output level can range 0.04 to 0.4 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.
- **Routine care** — wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder. When you leave the unit unused for a long period of time, unplug the AC adaptor from the outlet.
- **If there is any trouble** — disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, have your unit repaired by a Factory Servicenter or other Authorized Servicer. If the known working phone does not operate properly, consult your telephone company.

Specifications

■ **Base unit**

Power Supply:	AC Adaptor (120 V AC, 60 Hz)
Power Consumption:	Standby: Approx. 3.2 W Maximum: Approx. 6 W
Frequency:	2.40 GHz – 2.48 GHz
Dimensions (H x W x D):	Approx. 71 mm x 248 mm x 140 mm (2 13⁄16" x 9 3⁄4" x 5 1⁄2")
Mass (Weight):	Approx. 500 g (1.10 lb.)

■ **Handset**

Power Supply:	Ni-Cd battery (3.6 V, 850 mAh)
Frequency:	2.40 GHz – 2.48 GHz
Dimensions (H x W x D):	Approx. 242 mm x 53 mm x 40 mm (9 17⁄32" x 2 3⁄32" x 1 9⁄16")
Mass (Weight):	Approx. 220 g (0.48 lb.)
Security Codes:	1,000,000

■ **Dialing Mode:** Tone (DTMF)/Pulse

■ **Operating Environment:** 5 ˚C – 40 ˚C (41 ˚F – 104 ˚F)

Specifications are subject to change without notice.

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For product service

- Call 1-800-211-PANA(7262) for the location of an authorized servicenter.
- Panasonic's e-mail address for customer inquiries:
  consumerproducts@panasonic.com
  for customers in the USA or Puerto Rico ONLY

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.

Symptom

- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed on the back cover or to executive or regional sales offices. These locations do not repair consumer products.

For your future reference

Serial No. (found on the bottom of the unit)

Date of purchase

Name and address of dealer

- This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este teléfono sin cordón fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- このコードレス電話機は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

If you need assistance with the set-up or operation, please call 1-800-211-PANA(7262)

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